

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Guy Dragoo <gdrag@proedge.com>
Subject: [3733] 36V @4.5A Power Supplies FS
Message-ID: <01BBCB39.8E9F4E80@ft233.computek.net>

These are USED computer related equipment switching power supplies. They have a BIG modular plug output rated at 36VDC @ 4.5 AMPS MAX with the standard computer removable plug 110v input(also switchable to 230v). The rating on the unit is listed input as 360 watts 50/60 HZ,115VAC @ 5.0 A. They are black plastic ventilated (with back screen between the electronics and the plastic case) that separates in the middle (held together with 4 screws). The size is 10 x 4.5 x 3. The heat sinks run the length of the unit (10 in) on both sides and they appear to be every bit capable of the rated output. They are designed to be able to stack.

I figure these would make a dandy variable or possibly using a divider circuit suit standard voltage circuits or maybe suit some tube circuits (especially if stacked). I would assume (shooting from the hip) that these units are very stable as they were used in powering computer CPU's and related equipment.

I figure 10 bucks a shot (with the requirement that you forward any neat uses and circuits for use) with a \$5 for each unit covering postage to most locations.

73

Guy AC5HL

PS got a lot of 386/486 motherboards w/CPU's and MFM drives,etc,etc,etc. I won't price here as not specifically list related but email me and I'll forward specifics.

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Clark Fishman (FSAC) <cfishman@PICA.ARMY.MIL>
Subject: [3705] 72
Message-ID: <9611051347.aa19559@COR6.PICA.ARMY.MIL>

I was just reading a supplement to the Japanese magazine CQ..
It has a list a abbreviations including 72 and 73

72 is Peace and friendship

73 is best regards

son of a gun

wa2unn

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Glenn Jones <JONES_GL@4j.lane.edu>
Subject: [3712] 72/73
Message-ID: <B79ZW0FGKMQT*/R=4JNET/R=AXPA1/U=JONES_GL/@MHS.lane.edu>

--Boundary (ID yyNNI//60FxVn6xpsTl2/g)
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

--Boundary (ID yyNNI//60FxVn6xpsTl2/g)
MIME-version: 1.0
Content-type: MESSAGE/RFC822

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: penc@elan.mrwo.mcgill.ca
Subject: [3744] Blacked out pages
Message-ID: <9611060126.AA18597@elan.mrwo.mcgill.ca>

Gang:

I finally received my QRPp in Utica, NY. I recall someone offered to photocopy /send the blacked out pages that plagued the past issue.

Anyone do these for me? I can send an SASE if you wish.

Richard Penc WK2A
38 Pinecrest Rd.
Whitesboro, NY 13492
penc@radar.mcgill.ca

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: rheiss@tuba.aix.calpoly.edu (Robert Everitt Heiss)
Subject: [3711] CW SS de K06KA
Message-ID: <9611051922.AA74963@tuba.aix.calpoly.edu>

Hello from Santa Barbara section. SS weekend (and two weekends before that) it seems that most of the real QRPers got together for eyeball QSOs instead of filling the log rapidly with radio QSOs. Maybe I'm more like a contesting

pup playing in the QRP sandbox. Anyway, finally sorted out the paper log:

248 OSOs, 67 sections, 24 hours, 33,232 points.

Some of you may laugh at that rate, but I kept taking short breaks and then sitting down to scan the bands again; it's a sick obsession looking at the section win framed on the wall and wanting to defend. Attempts at running stations netted only five, so I hunted and hunted some more. Any section was fine -- I worked three locals, 37 Texans, whatever.

Really basic station here. Assorted 1-el wires on an oak tree. The usual Ten-Tec Argo 509 with 208 filter. Homebrew power supply and non-CMOS iambic keyer. Bencher paddle, RS headphones, and a BIC pencil. :-) No computer log, contest keyer, or DSP this year; I used up my little budget on antenna materials and feedline. Worth it!!

band	power	QSOs	antenna
80m	3.5	31	marconi @40ft, 18 radials
40m	4.5	87	dipole (full sloper) @60ft
20m	3.3	81	end fed 104ft wire @42ft
15m	3.0	49	delta loop @35ft, top fed

I worked more Q stations this year, all FB signals:

KG5U K9OM W0CP K0FRP KI6SN KU7Y K3TM W7ZOI

Wonderful conditions all around, and this QTH is better than I thought before. If my next home doesn't have such a nice antenna tree, I may visit a ham cousin in Nebraska around this time of year. ;-)

73, Rob K06KA
rheiss@calpoly.edu

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [3658] CW, S/S and Arthritis
Message-ID: <19961104.222405.4807.0.wb2vuo@juno.com>

Not to re-start the thread, but I tried a straight key, a set of Kent paddles with a Curtis Keyer and a keyboard this year on S/S. The keyboard won, hands down.

I could get through about 5 QSO's on the pump handle, and maybe 12 - 15 on the keyer. At that point, joint lock-up occurred. I threw in the towel and went exclusively with the MFJ Keyboard Keyer (borrowed) at

that point, and finished the day out on the keys.

Now, for the CW purists out there, I don't care HOW I generate the CW, I am STILL copying it in my head, just as I always have. The Extra took 29 years due to the basic inability to write that fast, not to copy that fast. I am not going to let swollen knuckles and immobile wrists keep me off CW, and I just got the info tonite on the CW keyer interface for my Log-EQF logging program. I will keep the J-38 and the Speed-X around for slower CW and short-term casual operation, but it is KEYBOARDS for me in the Contests from now on...

72/73, Keith, WB2VUO, QRP-L #582

Trustee, KB2YTW/B 10 Mtr Milliwatting Beacon (250 mW @ 28.2870 MHz)

"In the Depths of the Great Bergen Swamp...FN13ac"

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996

From: jdenison@aisp.net (JOEL DENISON)

Subject: [3697] Fox hunt

Message-ID: <19961105171411295.AAA120@slip19.ts-f-merrill.caps.maine.edu>

It was the fox: they said. Just static, I mumbled.
where is the tylenol? I asked. Qrn over a two hour period can cause a severe headache, I stated.

But it was the fox, they insisted. and they pointed to the tree
where the fox-squirrel lived!

Fox hell, I said. No, Fox-squirrel, they corrected.

I went to bed!!!

Bye now

God Bless

Joel

WA5CVM

Joel Denison

81 High street

Farmington, Maine 04938

jdenison@aisp.net

Qrp ARCI #4066 NE-QRP #476 QRP-L #765

33ft Vertical up 6ft & Inverted Vee up 40ft.

QRP PLUS 5w SSB & CW

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996

From: Brad Mugleston <bmug@gwl.com>

Subject: [3716] FOX Novice/Tech+ Tonight

Message-ID: <199611051937.AA14147@gp-ipc97.gwl.com>

Did this bounce? I got it back.

> HI,
>
> I forgot to give everyone a starting point - I will start at 7.135 and stay
> there for as long as possible - all two hours if you keep me busy and the tone
> deaf QRO opps don't move in.
>
> I spent the last few nights slowly adding about 3 feet to each end of my
> delta-loop (height) and now its clear of all the bushes and looks real good.
I
> will be using my Explorer II so my 7.135 may or may not be your 7.135, but
then
> I'm the FOX and your not. HI HI
>
>
>
> I have a question - Up tell now I've used my Explorer for most of my radio
> experiances. Last time I was the FOX I used my Kenwood TS-830S - the offset
on
> it is -800kc which I understand but the frequency readout shows 7.1112 when
I'm
> listening and 7.1120 when I'm transmitting. This means when I was looking for
> the fox on 7.1120 I had to turn to 7.1112 for a 800kc tone. Is this normal
for
> a digital display? I understand why its that way but it makes it a little
> strange to think I'll have to subtract 800kc from the freq I want to use.
>
>
> See you all tonight 7:00 MST (0200GMT/Z/UTC Wed AM) on or about 7.135. Be
nice
> but be there.
>
> Brad KB0ROL

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: James Bennett <james@research.nj.nec.com>
Subject: [3708] FOX REPORT KA5DVS
Message-ID: <Pine.sol.3.91.961105133933.6778B-100000@shakti>

Group,
Here is my report from last night.
A big thanks to everyone for putting up with my sometimes
scrambled cw. (I really have to get a keyer)

RESULTS:
FOXHUNT: NOV 5 0200-0400 UTC

FOX: KA5DVS

Call	RST	sent/rec	QTH	Name	NR
N4SO	*/339		AL	Ken	622
AB5UA	*/539			OK	Clif 478
KE4YH	*/559			FL	Stew 590
KK5RO	*/559			OK	Vernon 325
N5ET	*/549		TX	Bob	123
N6ULU	539/559			CA	Stan 66
KK4KF	449/559			FL	Bill 755
KG2DP	549/559			NJ	Bill 805
KK6MC/5	339/559			NM	Jim 411
K5UP	569/449		OK	Glen	21
AC5BC	339/449			OK	Bill 5W
KE5TF	559/549		TX	Linda	5W
AB5OU	559/559			NM	Tim 73
NQ7X	569/439		AZ	Floyd	343
NA5N	559/559		TX	Paul	38
K6VNX	339/439			CA	Arlen 3W
WA9YLB	559/559			TX	Jim 5W
N5JKY	449/559			OK	Mike 300
KI4JA	589/599			GA	Keith 454
AA2WJ	449/449			TX	Dick 5W
W5TFB	569/569			TX	Jack 282
W6BAB	339/559			CA	Harvey 2W
AB6DG	449/129			CA	John 48
AA7QY	449/339			AZ	Roger 62
K06KA	439/439			CA	Rob 176

Any errors are my own, I hope I transcribed my notes accurately.
There were a few others I could hear but not enough to
get your calls.

I started out at 0200 with the filters open by the second hour,
I had the filters as tight as possible due to QRM. Both F3NB
and a XE station came up almost on top of the foxhunt.

Lessons Learned:

1. Get a keyer and learn to use it. My sending with the straight key degenerated as my hand got tired. I have always liked using a straight key but they are not ideal for rapid fire cw sending I was also trying to write while sending (not a good idea)
2. Learn to copy 5 or 6 stations at once and develop ESP for the weak ones.
3. Get better headphones. The walkman headphones did not work well for this application. By the end I stopped using them and just held the RS DSP speaker to my ear. Probably looked strange but it worked.

4. Place rig far enough away that you do not bump the tuning dial while sending/writing. If you noticed my signal suddenly disappear this may have been what happened.

All in all, it was an experience I highly recommend. I am really looking forward to my next turn in Feb.

Thanks to all and 72/73
James Bennett
KA5DVS

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: James Bennett <james@research.nj.nec.com>
Subject: [3678] FOX That was fun!
Message-ID: <Pine.sol.3.91.961105094301.4187A-100000@shakti>

Thanks to everyone for the contacts and especially for the patience.
I really had a great time!
I will transcribe my scribbled notes and post the results later today.
Thanks,
James Bennett
KA5DVS

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Howard Sherer <howardsh@ptdprolog.net>
Subject: [3709] FS OHR Classic 20/40
Message-ID: <327F9338.3E6A@ptdprolog.net>

I have an extra QRP rig for sale OHR Classic dual bander 40/20 with keyer. Mint condition \$225. OBO
Howard AE3T

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: lve1@inel.gov (Larry V East)
Subject: [3740] Gate 2 Vanity Calls Issued
Message-ID: <2.2.16.19961106003135.18bf0428@eloi>

Relayed from the ARRL (but via the Internet, NOT radio...:-):

ZCZC AG58
QST de W1AW
ARRL Bulletin 78 ARLB078
>From ARRL Headquarters
Newington CT November 5, 1996
To all radio amateurs

SB QST ARL ARLB078
ARLB078 Gate 2 calls issued

Vanity call sign Gate 2 calls processed.

The FCC has processed the vanity call sign program Gate 2 applications it received on September 23. The logjam broke just before the end of business for the day at the FCC's Gettysburg, Pennsylvania, office, where the amateur computer system had been down for more than a week. A spokesman at the FCC said the computer system was finally fixed Tuesday, November 5, and the approximately 4500 first-day vanity applications were successfully run.

Applicants can check for their new call signs via the ARRLWeb page at <http://www.arrl.org/fcc/fccld.html>.

The week-long computer problems had not only affected the vanity program but caused the FCC to rescind all call sign grants after October 24 because of widespread errors. In some cases, the FCC's Gettysburg office had reissued call signs that had already been issued. An FCC spokesman said that the unspecified computer problems were not related to the vanity call sign program.

The FCC says it wants to see how the day-one processing fared before it attempts to process vanity call sign applications for subsequent days. This should happen within 'a few days,' a spokesman at Gettysburg said. Day-one applicants also can check the popular database programs on the Internet to find out if they got one of their call sign choices. The KI4HN Web page lists vanity assignments at <http://www.webbuild.com/~ki4hn/vanity.htm>. Other good choices include the AC6PN call sign server, <http://www.rdatasys.com/~mdowning/fcc/callsign.html> and the CallBook Server (CBS) Summary at http://www.lantz.com/htbin/cbs_today.

The FCC will dismiss applications if it was unable to grant one of the call sign choices. Applicants who did not get one of their choices will have to apply in writing for a refund of the 30 dollar filing fee.

The FCC has not announced opening dates for vanity Gates 3 and 4.

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: kimitsuka_glen <glenk@dsg.tandem.com>
Subject: [3736] Gate 2 Vanity Calls out!
Message-ID: <9611052345.AA24781@sid1.dsg.tandem.com>

Hi,
Check out the ARRL website!

Regards, Glen K6GK

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Howard Sherer <howardsh@ptdprolog.net>
Subject: [3710] how to measure power below 3W
Message-ID: <327F93DC.2912@ptdprolog.net>

What is the best method to measure your rf output power between .5 and 4 watts. I have a bird with a 50W hf slug and dont care to buy a high priced qrp wattmeter.

Howard AE3T

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: kb1gg@juno.com (James Cadorette)
Subject: [3657] Laptop source
Message-ID: <19961104.215619.4807.0.kb1gg@juno.com>

Does anyone know of an inexpensive source for BWlaptops such as 8088, 8086, 80286? I am looking for one to be used with a TCPIP packet station.
Thanks Jim

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: SNickrand@aol.com
Subject: [3729] Mobile HF Antenna Question
Message-ID: <961105165839_1349366815@emout11.mail.aol.com>

Gonna buy a White Mtn. SSB xcvr in very near future. I know nothing about

mobile antennas. Here are some questions. Any answers/suggestions?

1. Are there any mobile mounts which don't require a hole to be drilled. Something which wraps/clamps to the bumper?
2. In the under \$40 range, I've seen single band whips from ham stick, cushcraft and mobil mart. Are their performances comparable?
3. I've also seen a triband antenna from mobil mart. Anyone else use it?
4. In the up-coming year, which band, 20m or 75m, will have an advantage over the other (other than DX capability), if any, when operated at QRP levels?

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [3676] Mon FOX
Message-ID: <199611051428.HAA04082@dancris.com>

This one was really wily. The QSB kept him just out of reach. He would bang in there (here in AZ), then disappear. Finally at about 0330Z, he came in with, to me, a really solid 449, but I couldn't make it back to him.

Lots of ARS stuff there, too. Fun nite, at least for copying. Sure am glad that there are at least two more foxes this week, including n/t.

73,

Bob KI7MN NorCal 1221 ARCI 8918 Qrp-1 271 CQC 274 ARRL (Not in any order of importance!)

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Steve Hideg <Steve.Hideg.1@nd.edu>
Subject: [3683] More Dayton photos
Message-ID: <v03007809aea505009070@[129.74.35.16]>

Now appearing on the Internet QRP Club WWW site: Photographs of Dayton 1996 QRP activities by G. Danny Dingell, K3TKS.

They are located in the Member Pictures section, under Dayton 1996. The URL directly to the K3TKS photo page is:

<<http://qrp.cc.nd.edu/qrp-1/dayton96/k3tkts/>>

Enjoy.

72,

--Steve

Steve Hideg, N8HSC/9 QRP-L #136
Check out the Internet QRP Club's site on the WorldWide Web:
<<http://qrp.cc.nd.edu/QRP-L/>>

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: RHILT0@acxiom.com
Subject: [3723] Need mic for QRP+
Message-ID: <00009C19.1505@acxiom.com>

I need a microphone for my QRP+ radio... I remember reading somewhere that the average mic doesn't work well... do I need to get one from "the factory" or is there a good mail-order source?

Bob ki5ez

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: "Brian L. Lewis" <76500.1621@CompuServe.COM>
Subject: [3752] New Call
Message-ID: <961106022208_76500.1621_HHE43-1@CompuServe.COM>

New call sign!

K5RV (formerly N50CD)

Brian Lewis

PS... Can someone update the Fox score with my new call?

Brian L. Lewis
K5RV (Formerly N50CD)
Shreveport, La. (32.26.07n / 93.42.58w)
76500.1621@compuserve.com
05-Nov-1996 20:20:53 CST

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Nick Franco <kf2ph@bnl.gov>
Subject: [3681] No FOX But SP
Message-ID: <1.5.4.32.19961105145251.0069f884@sun2.bnl.gov>

Well another lonely FoxHunt here on Long Island (the black hole of Fox RF).
I listened on and off for 1 1/2 hours last night. I heard the Spartan
Sprint gang out there but no Foxi and no hunters. I did answer the CQ SP of
three fellow ARS members though. At least that makes things a little easier
to swallow. At least I know my sig was heard by someone.

SP's worked: WB0WQS at 5w AE4CA at 1w and WJ4P at 1w

Sorry James never heard you at all. maybe next time.

72,
Nick - KF2PH

ARS# 128
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Email: kf2ph@bnl.gov Ham Call: KF2PH QRP-L # 13 NE-QRP # 349

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: launerb@crl.com (William H. Launer)
Subject: [3666] No Fox, but.....
Message-ID: <v01530500aea466d87b0b@[192.0.2.1]>

Gang,
No fox (again) in M0 tonight, but heard XE1ABE calling cq, so
I called him with my mighty 5 watts. He came back with a 559, name
Hugo, in Morelia, Michoacan. He was running 15 watts (HB) to a Bazooka
antenna. I guess the moral is "if you can't work the fox, go for the dx"!
Obviously, 40 meters had "stretched out", and I was in the Fox's skip zone.

72/73 Bill wb0cld

Bill Launer
St. Charles, MO
launerb@crl.com

wb0cld@wb0cld.ampr.org [44.46.66.25]
qrp-l #279 qrp arco #3551
Grid Square EM48RT

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: "Bradley S. Mitchell" <bmitchel@kodak.com>
Subject: [3671] Norcal Pics
Message-ID: <32801A7A.2B79@kodak.com>

Nice Pictures of the Meeting!

Wish there were more pics of the 38 special.

73 Brad WB8YGG

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Barry Keating <Barry.P.Keating.1@nd.edu>
Subject: [3667] Novice FOX tomorrow (Wednesday) Night
Message-ID: <v03007802aea4f2267539@[129.74.87.62]>

** Novice Fox ** ** Novice Fox ** ** Novice
Fox **

I know you're tired from the SS marathon, but ...

I will be on the air for the third time tomorrow (Wednesday)
evening (the local date will be Wednesday, November 6).

WD4MSM -- Novice Fox
Wednesday, November 6th (local date)
8:00 - 10:00 pm local (New York) time
7:00 - 9:00 pm local (Chicago) time
0100 - 0300 UTC
frequency: 7.112 +/- MHz (alternate: 7.121 +/- MHz)

QTH is South Bend, Indiana (90 miles east of Chicago)
QRP-L# 642

Come SLOWLY!! Bag an N/T Fox :-)

Barry Keating
WD4MSM

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: KB0PJE /5 Jack Dougherty <jdougher@wt.net>
Subject: [3669] NW8020 Speaker Cutout
Message-ID: <327F6371.20A7@wt.net>

I'm nearing completion of my NW8020 project, got the receiver section working this weekend, etc. and am looking forward to completion steps.

Where have folks mounted the speaker? What size works for you??

I have the recommended Radio Shack enclosure purchased, and notice that there are holes in the "sides". Anyone use these? Or should I plan on drilling a grill pattern in top??

Appreciate the experience of others with this kit (which BTW has been a bunch of fun and has great support from Emtech during the build process, but I'm trying to get a broader consensus here on speaker placement).

TU

KB0PJE /5
Jack /Houston

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: "John T Todd" <jttodd@pau.mobil.com>
Subject: [3661] OFF SERVER
Message-ID: <9610058472.AA847205741@ccmail.pau.mobil.com>

GENTS,

Please take me off the server list as my work ststion is being flooded.

TNX KB2QDC jttodd@pau.mobil.com

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Thom <thom@li.net>
Subject: [3751] OHR e-mail

Message-ID: <Pine.SUN.3.95.961105212753.3765B-100000@linet01>

Hi and thanks for your help,

It seems I put the really important stuff in really hard to find places. Can someone please tell me the e-mail address for OHR...I'm in the final stages of the Classic and don't you know I'm one pot short.

thanks

Tom

WB2QDG

thom@li.net

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996

From: Gary Surrency <gsurrenc@ix.netcom.com>

Subject: [3706] Potting toroids and such.

Message-ID: <327F8FF2.4CB@ix.netcom.com>

KB0PJE /5 Jack Dougherty wrote:

>

> I've heard that it's prudent to paint some goop on torroids to hold the
> windings firm, and prevent frequency drift (especially in mobile
> applications, which I'm intending for this construction project).

>

> So what kind of Goop to use?? I've heard using Shellac. Any other
> ideas/what works for you???

>

> TU

> KB0PJE /5

> Jack /Houston

Jack,

I've always used fingernail polish. Either the clear stuff or the red polish (for the artistic builders out there) is good. It dries reasonably fast, and the odor/fumes are tolerable compared to more toxic coatings such as shellac. It is easily removed with acetone. Of course acetone is a rather strong solvent, so keep it off plastics and your fingers. I like to use clear polish over bifilar and trifilar coils so they stay put, and you can still identify the leads.

For big toroids, like the ones in the AT-11 Automatic Antenna Tuner kit, I didn't need to fix the windings on the toroids, since the wire is pretty heavy 18 Ga. So I used a hot glue gun to hold the finished cores to the PCB board. If you ever need to remove one, the cooled glue can be

cut and pulled apart with needle nose pliers and a knife. Fast, easy.

OTOH, I have also used plain candle wax, as HeathKit did in a lot of their kits. Heath used to "pot" some of their coils inside of little cardboard tubes that had metal terminals crimped onto them. It might have been bee's wax, but I don't think so.

I found a lot of their coils were way off spec, and needed to be rewound to the correct value. By applying a warm soldering iron tip to the center of the wax-potted toroid, I could then pry out the toroid to rewind. It took some care to desolder the wires from the terminals on the cardboard tube, but it could be done. I would then re-heat the wax remaining on the toroid, and then while it was still warm and liquid, I would squeeze the toroid core with a few layers of paper towels or Kleenex. The paper absorbed almost all of the remaining wax and left the toroid "dry" and free of wax. Then it could be re-wound.

When I finished with re-winding the core, a little white candle wax was carefully dripped onto the toroids to hold them in place in the card-board tubes again. I always wound up with a nicer looking coil than what I started with, since I took the time to be careful. The wax appears to have no effect on the toroid's performance. It is easily applied or removed with the help of a warm, not hot, soldering iron. Mine has a digital temperature controller.

Of course the soft brown packaging paper Heath used to pad the boxes was great for this, and for holding the parts against the PCB while soldering the leads. Too bad this stuff isn't used anymore. I remember that "smell" HeathKits had to this day. Kinda like new car smell. :-)

72,

--

Gary, AB7MY QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [3714] QRP ARCI Nominations
Message-ID: <1.5.4.16.19961105124454.2a7f8670@telis.org>

QRPers it is time to think about Dayton, and one of the highlights of Dayton last year was the induction to the Hall of Fame of several deserving QRPers. This is an ongoing activity. The way that it works is that anyone can send a nomination to Mike C., WA8MCQ, who is the Vice President of QRP ARCI, and is in charge of the Hall of Fame. Mike will

collect the nomination letters and send a copy of each to the voting committee, which consists of the President, Vice President, Board of Directors, and Current Members of the Hall of Fame. They will then vote and the inductees will be announced at Dayton during the Awards Banquet. It takes 2/3 of the votes to be inducted.

It really is important that nominations be supported with background information as to why an individual should be inducted. Don't just say, I think ham Joe Blow should be in the Hall, he's a good guy. Be specific, give reasons.

I am going to nominate the following: Jim Cates, WA6GER, Chuck Adams, KF50 and Wayne Burdick, N6KR.

Jim Cates, WA6GER has been licensed since the 50's and is a long time QRP'er, although he has preferred to stay quietly in the background. Jim has operated exclusively as a QRP'er for over 35 years. He has built almost every kit and construction article that has come out in that period of time. Jim operates all modes qrp, not just CW. He has an RTTY sked 3 days a week, and uses QRP to do it. He has written QRP articles for the Milliwatt, QRPP, 73, CQ, Radio Fun, and numerous QRP journals.

He may be best known as the cofounder of the Northern California QRP Club which is known as NorCal. Jim came up with the philosophy that has made the club work, and made it famous. He was the one who said, "No rules, no officers, no business meeting, just QRP fun." It was an innovative concept, and it breaks all the rules of why a club should not be effective, yet NorCal has over 1950 members at this time, in 75 countries, and all 50 states. Jim has done the paper work for over 2600 NorCal kits in 3 1/2 years. He helped organize and sponsor the West Coast QRP Symposium, it was his idea to do the St. Louis Tuner, he sends a welcome letter to every member of NorCal, and Jim spends at least 4 hours every day on NorCal work, yet no one has ever heard him complain. Because of his efforts, NorCal has been able to help promote and support QRP and QRP'ers throughout the world. Jim has always done everything possible to help newcomers get started in QRP. I know, because he helped me. Jim Cates aligned the first kit I ever built, then he showed me how to do it myself, and he was a wonderful teacher.

Jim was featured on the cover of the December 1995 issue of QRPP, and his ham "life story" is there. He is loved by QRP'ers everywhere and is a true gentleman in every sense of the word. Jim also has the most extensive collection of QRP gear that I know of in the world. He collects it because he recognizes the historical value of saving things. Jim also has manuals for most of the gear, and has helped countless hams with information about old qrp gear.

I nominate Jim Cates, WA6GER, for the QRP ARCI QRP Hall of Fame for his lifelong accomplishments and contributions to the world and to QRP in particular.

Doug Hendricks, KI6DS

My second nomination is for Chuck Adams, K5F0. Chuck is the founder of the NorTex QRP Club, QRP-L Reflector on the internet, The Fox Hunt, The 30 meter propagation study, the 80 meter propagation study, a frequent contributor to QRP journals, author of the construction practices chapter in the ARRL handbook, was an early contributor and supporter of NorCal QRP Club, broke the cw receiving record (not recognized due to the failure of the organizers to publish in the local paper at the time it occurred.), awards chairman of ARCI, (He put the records back in order after years of neglect), frequent speaker at QRP Forums throughout the United States, (Dayton, Hamcom, Pacificon), and is probably one of the most recognizable names in QRP today. Chuck is a true gentleman, and is widely known and respected for his efforts and contributions.

I nominate Chuck Adams, K5F0 for the QRP Hall of Fame. His record speaks volumes for his deserving to be in the Hall of Fame.

Doug Hendricks, KI6DS

Wayne Burdick, N6KR

Wayne Burdick has made a huge contribution to QRP. His design skills make him a member of a very elite class. Wayne has published designs in QST, QRPp, Hambrew, The ARRL Handbook, QEX, and countless QRP journals. He has broken new ground in the simplicity and reproductivity of his designs, yet there is no degradation of performance.

Wayne is the designer of the NorCal 40, Sierra, KC-1 (Audio Frequency Counter and Memory Keyer), Buzz-Not Noise Blanker, KC-2 (LCD Frequency Counter, Power Meter, S Meter, and Memory Keyer in one accessory), SST, and maybe his simplest design, but certainly the most prolific, the 49er. All of these designs are now household words in QRP circles. I doubt that there is anyone in QRP who has not heard of Wayne Burdick, N6KR. Wayne has spoken at several QRP forums, and is a true genius in my opinion. He has given confidence to literally thousands of beginning builders who are successful because all of his designs are basically fool proof. They work as advertised. Burdick has also been a leader in setting the standards for construction manuals, which in themselves are a work of art.

I nominate Wayne Burdick, N6KR, for his work as a designer and a contributor to QRP.

Doug Hendricks, KI6DS

A copy of this nomination is being sent to Mike at his email address, which is:

wa8mcq@u1.abs.net

If you have another deserving person to nominate, please do so. The above have been posted to serve as an example of the type of information that the committee is interested in. Please be specific, but also try to not be too long winded. All of these letters have to be read. If you wish to write

your own letters in support of the above nominations, they would be appreciated.

Jim, Wayne and Chuck know nothing of this posting, and will probably be furious with me. But some things must be done. 72, Doug, KI6DS

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: OJWA1YIA@aol.com
Subject: [3741] QRP-L number
Message-ID: <961105200104_1550097548@emout10.mail.aol.com>

Well my callsign has changed...how do I update the qrp-l number list?
cu---oj--k1oj--prev. wa1yia

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [3698] Request for documentation
Message-ID: <199611051730.KAA08991@dancris.com>

I have the makings of a 40 foot Rohn 25 tower, but no engineering specs. Does anyone have any they would be willing to copy for me? I need them to submit with the application for permit to erect this thing. I will, of course, reimburse for any copying/mailling costs.

Gotta catch that fox somehow!

73,

Bob KI7MN NorCal 1221 ARCI 8918 Qrp-l 271 CQC 274 ARRL (Not in any order of importance!)

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [3656] S/S Summary, With Corrections
Message-ID: <19961104.175121.4727.0.wb2vuo@juno.com>

I found another section when I looked over the log. The talley is now 60 QSO's and 33 Sections for 3960 Points. Here's a breakdown:

QRP Worked: AA2BN (SNJ)
N7IR (AZ)

WB9HRO (WI)
N0AX (CO)

I worked 38 "A" stations and 18 "B" stations, an improvement in the ratio from last year. Maybe the amplifier manufacturers will call it quits yet...

A strange distribution for Sections, I worked NO W3's AT ALL, something that has NEVER happened before. The bands were super noisy on Saturday, and much better on Sunday. My 10 Meter contacts resulted from a mobile outing, not that I have 10 in the car, but I was complaining (whining?? Is there a difference??) about the lack of activity on 160 and 10 Meters, and was called by a local, wanting to know where I had been. I was at the low end (28.020 MHz) and he was in the Novice/Tech band (28.110 MHz). I told him that I would be back calling CQ SS when I got home, and, sure enough, he was there, along with a couple of others that were monitoring the machine. I DID NOT SOLICIT THE QSO's, but it WORKED! It did not do anything for 160M though, not a single SS station on the band.

Here's the Sections:

W1 - EMA,RI
W2 - NNY,NNJ,SNJ,WNJ
W3- NONE AT ALL, NADA, ZIP, ZILCH, WHERE WAS EVERYONE???
W4 - NC,TN,SC,VA,VI
W5 - AR,NM,NTX,OK,STX
W6 - EB,ORG,SDG,SJV
W7 - AZ,EWA,ID,MT,OR,WWA
W8 - OH,MI
W9 - WI
W0 - CO,IA,KS,MN

I will be on the Phone weekend on QRP. I will have more time to operate (maybe). I will make 1000 Q's and a Clean Sweep (HA!) and I will get a winning \$25Megabuck NY Lottery ticket (HA, again!)

The station here consists of the following:

Alinco DX-70T running on a 110 A/H deep-cycle marine battery (Emergency Power throughout...)

Antennas:

160 M - Inverted Vee
80 M - Inverted Vee
40 M - Inverted Vee
30 M - Inverted Vee (Is there an echo here???)

20 M - 1-Wave Sloper, off-center fed
15 M - 40 M Inverted Vee (see above)
10 M - G.P.

I have had a number of other antlers in the last couple of years, but this is the list as of 4 November, subject to change...

(Yes, my yard IS large...)

See you on the Phone SS weekend, and don't forget the 10 Meter and the 160 Meter Contests in December.

72/73, Keith, WB2VUO, QRP-L #582
Trustee, KB2YTW/B 10 Mtr Milliwattting Beacon (250 mW @ 28.2870 MHz)
"In the Depths of the Great Bergen Swamp...FN13ac"

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Charles Cashion <ccashion@spdmail.spd.dsccc.com>
Subject: [3703] six meter receiver
Message-ID: <199611051832.MAA11097@spd.dsccc.com>

Gents,
I want to scratch build my own 6 meter receiver.
Normally, I would find an attractive schematic in a magazine/handbook/textbook/etc., and that would be the starting point.

At this point, I have not found that attractive schematic. (only been actively seeking for a few weeks).

The most attractive schematic is a 15m double conversion CW transceiver in a past issue (six or eight months ago) of one of the magazines.

Would any of you care to share your ideas?

72s, 73s, whatever it takes,
Charles Cashion, W5ISZ, QRP-L#76, ccashion@spd.dsccc.com

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+ - - - - - +  
| AAAAAARGH American Association for the Abolition of Acronym |  
| Abuse Regional Group Headquarters |  
+ - - - - - +
```

This acronym is a result of Paul Valko's recent comment,
...thanks Paul... 8-)

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [3704] SLV Mod Idea
Message-ID: <1.5.4.16.19961105113539.2c2f1978@telis.org>

Guys, Vern Wright, W6MMA, has done some serious modification to the SLV, (you can see the results on the NorCal Web Page) and basically what he has done is to make a manually operated screwdriver type antenna out of the SLV. It works great, but the problem is the expense. You have to have a lathe turn the coil form, it takes about \$10 worth of special bus wire to wind the coil, you need a torroidal balun to match the coax feed, (this eliminates the need for a tuner). All of this is wonderful, but expensive. There has to be a simpler way.

Vern and I were on the phone last night, talking about his work with the SLV, and we came up with the following idea. Why not wind a coil on a piece of pvc pipe that would fit over the SLV and slide down to about the middle of the extended pole. It would be about 14 or 15" long. Wind a coil on the form using insulated copper wire that is spaced with a second piece of wire, which would be removed after winding, using it just as a spacer. Then, put nylon wire ties to hold the coil in place with a pigtail of about 3" of wire on each end of the coil. Use shrink wrap to hold it, or black tape. (You would apply the shrink wrap and black tape after you have verified that the coil is as you want it.) Solder a lug on each coil lead, and then use a wire with an alligator clip to go up the pole for the top radiator, and another wire with an alligator clip to go to the base of the pole. It would still be fed with twin lead and you will need a tuner. Also, you will need radials. This way, you will have a center loaded vertical. Vern and I both think that this will work better than the original, but we haven't tried it yet. How about it? Are any of you interested in trying this? If you do try it, report to the group. This is why Dave Gauding, NFOR published the article in the first place, to get guys to experiment and improve on his work for the good of the hobby.

Lets get a thread going on SLV Mods. Waiting anxiously for the results. 72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: bmitchel@kodak.com (Brad Mitchell)
Subject: [3724] SLV Screwdriver antenna
Message-ID: <9611052109.AA24997@iiatasun.cba.Kodak.COM>

I haven't been following the slv articles that much,

but when Doug mentioned that we should get talking about
screwdriver options, I just thought
that you all might want to know of a good reference
book on the topic.
It's really a compendium , and it includes the BiG
DK3 antenna.
It's called 40+5 years of HF mobiling by Don Johnson w6aaq,
ISBN 0-9624267-1-7
73 and happy constucting.
Brad WB8YGG

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Philip Karras <ke3fl@access.digex.net>
Subject: [3686] Solar Panel, \$36.50, 700ma @ 13V
Message-ID: <Pine.SUN.3.94.961105102423.3117B-100000@access1.digex.net>

Brad, Here is all the info from the order I placed, as you can see,
back in 1993...

Gateway Electronics, Inc	1-800-669-5810	Order: 5/20/93
8123 Page Blvd.		expected: 5/28
St. Louis, MO 63130		received: 6/02

Solar Panel \$36.50 (12-14 @ 700-750ma) ship = \$15, total = \$51.50
Pg 99 in Nuts & Volts May 1993
10AM to 6PM East time

I have used this panel at every field day since I bought it. I did
have to make a protective box for it (it is glass & will break not
bend :-). I also brewed a voltage regulator so the QRP rig would not
chirp when I started to transmit & I also use a 7 Ahr gel cel as the
power buffer. (Always & only solar charged.)

I hope this helps. I've sent the msg on to QRP-L again, hope I don't
receive too many complaints. :)

72 & 73 de KE3FL/Phil
:-)

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: OJWA1YIA@aol.com
Subject: [3672] SPARTAN SPRINT

Message-ID: <961105091116_1148160240@emout05.mail.aol.com>

Well it was very noisy here tonight, S7-S8. Had 19 QSOs with 14 SPCs. I heard several stations that were just below my noise level. Sorry to those I missed. Thanks for the fun! cul---OJ.

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: n9zz@juno.com (Robert A. Schill)
Subject: [3662] Spartan Sprint...
Message-ID: <19961105.051944.5415.2.N9ZZ@juno.com>

I'm just curious...how did you guys do on the Spartan Sprint? I tried the old HW7 and heard nothing except W3TS up in Pa. I switched to the receiver on the Argonaut 515 and not much difference. Needless to say I didn't do well.

72/73

Bob Schill N9ZZ
Mountain Home, Arkansas
ARCI QRP # 4744, MI QRP #266, AR QRP #1, QRP-L #705, ARS #189
E-Mail address : N9ZZ@juno.com
Packet address: N9ZZ @ N0KFQ.#SWMO.MO.USA

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: KFGlynn@aol.com
Subject: [3688] SPCs on ARCI Fall QSO?
Message-ID: <961105105952_1215211176@emout14.mail.aol.com>

Hi gang,

If I worked NC on 20 and 40M during the contest, do I count NC once or twice towards the SPC multiplier count? I think once, but I read the rules and am not sure.

Tnx for help.

72 Kevin KB2TE0

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Gary Surrency <gsurrenc@ix.netcom.com>

Subject: [3707] Speaker grills and "bug proofing" your gear.
Message-ID: <327F9483.7078@ix.netcom.com>

KB0PJE /5 Jack Dougherty wrote:

>
> I'm nearing completion of my NW8020 project, got the receiver section
> working this weekend, etc. and am looking forward to completion steps.
>
> Where have folks mounted the speaker? What size works for you??
>
> I have the recommended Radio Shack enclosure purchased, and notice that
> there are holes in the "sides". Anyone use these? Or should I plan on
> drilling a grill pattern in top??
>

Jack, and others:

I have had good success drilling speaker grills with a Moto-Tool by using a small piece of perfboard as a hole pattern. Just be sure to fix the perfboard carefully before starting so it doesn't slip around and mess up the pattern. Use an appropriate drill bit, and start drilling. The higher speed of the Dremel tool speeds up the process and it doesn't take very long for a speaker of 2 1/4" or so. It works real fast on plastic cabinets, but aluminum and/or steel can be drilled pretty quickly too. Plan on having a couple of bits handy. I use a small piece of plastic tubing over the end of the drill that is held in the collet if it is too small or loose to "chuck" properly. No K5F0 puns intended. 8^)

A few beers also helps. Ya' need to be in the right frame of mind.
Burp! 8*@

Another method used in some of the ARRL projects involves cutting a hole about the size of the speaker, and then covering the opening with the perfboard. The yellowish-brown stuff has a particular appeal for this purpose, and the odor it gives off adds a "certain something" to homebrewing!?

The phenol vapors are sure to keep the roaches and moths out of your prize kits. Yecccchhhh!!!! 8^p

72,

--

Gary, AB7MY QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: WJ4PRandy@aol.com
Subject: [3693] Sprint Report 11/5/96
Message-ID: <961105113411_345634128@emout01.mail.aol.com>

Ha! Did I have fun!!! Caught the last thirty minutes of the sprint and bagged a few using the 40-9er!

Log: 0346 WA1YIA 579 TX 5W
0353 AA2WT 559 TX 5W
0354 KF2PH 559 LI/NY 5W
0358 WB9LKC 559 WI 2W

Rig: 40-9er, WhiteRook Paddle/CodeBoy Keyer, Nicad battery pack (12V)
Weight: 15.5 Oz
Ratio: 3.8750z / Qso
Fun Factor: 9.5 (out of 10)
Antenna: Gap Titan Vertical

73 Randy WJ4P

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: "Laura" <sputnik@imt.net>
Subject: [3696] ss code speeds
Message-ID: <199611051643.JAA07924@cu.comp-unltd.com>

Hi, gang:

I made three contacts in the SS. I was amazed to hear the high speeds I heard on the bands. I found it totally depressing. I do realize that it's my own fault, to some degree, because my code skills are not terrific. BUT, I listened throughout the contest and even to several stations sending at speeds that were unrecognizable to THIS human ear. After sending their blur of code a blur would return to them. Every once in a while, the calling station would return the call of a station who's speed was such that EVEN I could copy it! I was astounded to hear that station repeat itself THREE times. I only heard this happen twice though.

I'm just relating my observation. I in NO way intend to insinuate that there should be a "maximum sending speed". If a station can TRULY send AND receive at those incredible speeds, more power to them! I applaud their unique abilities. I, however, enjoy talking with ALL the operators out there. Those whose skills are both more and less than mine. I really appreciate other operators who slow down for me to QSO with them and I always try to do they same for stations calling me.

I guess I'll keep practicing, and maybe during the next CW contest, I'll make even more contacts. It was fun anyway!!

73 de KJ7UN
Laura

Laura Marino Lubner
sputnik@imt.net
QRP-L # 790

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: bkmak@airmail.net (Bob Kmak)
Subject: [3713] SS CW
Message-ID: <m0vKnxd-000GKQC@mail.airmail.net>

Folks,

Had a very busy day yesterday, both at work and home, so I didn't get a chance to post my Sweepstakes results. I managed 366 Qs with 71 multipliers, for around 51,000 points. Not as good as I had hoped for (I was trying for 500 contacts), but what's that saying, wait til next year?

I used an old FT-101E cranked down to 5 watts, and an 80 meter dipole, fed with ladder line and a (collector's item!) Tucker T-1000 antenna tuner. Also, I had a homebrew 20 meter vertical at chimney height.

20 and 80 meters were my best bands. 40 meters was a big disappointment. There just seemed to be many very strong signals on 80 meters, only a few on 40. I found that only the S9 and above CQers could copy me on 40 and 80, and there just weren't that many on 40. 15 meters wasn't much good on Sunday from Dallas, tho I did manage to work both Virgin Islands and Puerto Rico on 15. My whole effort was search and pounce. Probably a mistake. I had planned to do some CQing on 15 Sunday, but there were so few signals there- all weak-- that it just didn't seem worth it.

I used the TRLOG contest logger, and it worked pretty well. Until Sunday afternoon. Then the little relay in my keying interface started sticking closed!!! In the middle of exchanges! I lost several QSOs that way. I don't know if it was coincidence, but it seemed like when I turned the TRLOG keying speed down to 23 WPM, it (mostly) stopped sticking. I'm thinking about sending away for info on the W9XT Contest Card parts kits (voice and cw keyer) :-) :-)

Oblig Vanity Call Stuff:

There was a joke posting on the CQ-Contest reflector last week to the effect that the FCC computers are not powerful enough to run the Gate 2 Vanity Call Sign application, so they ported it to run on the FBI's computers. Somehow, the Amateur Callsign database got intermixed with the Witness Protection Plan database .
The good news is that we'll all get to keep our old callsigns. The bad news is we've all been issued new identities :-) =8o

73,

Bob KC5RAS

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [3735] SS de K5FO
Message-ID: <199611052337.XAA10117@chuck.dallas.sgi.com>

The TX Tag Team Tigers of Jack Bryan and Chuck Adams

W5TFB	72,840	score	520	Qs	71	sects	5	watts out	23.5	hrs
K5FO	65,850		439		75		4.5		22.0	

Total 136,690 fantastic hard earned points the #1 team from TX

OK, I got beat by some great people. No problem. KU7Y, take the wife to dinner on me. I think someone owes Jack and I something. :-) Our CO friend really beat me to a pulp.

ARRL SWEEPSTAKES -- 1996

Call: K5FO	Country: USA
Mode: CW	Category: Single Operator

BAND	QSO	QSO PTS	SECTIONS
160	0	0	-
80	106	212	-
40	138	276	-
20	170	340	-
15	25	50	-

10	0	0	-

Totals	439	878	75

Score: 65,850

Power Output: 4.50 watts Hours of operation: 22.0

Equipment Description:

Yaesu FT-1000 Transceiver
 Bird Wattmeter
 FORCE 12 Beams on 15, 20, and 40m /w 44' booms
 Rotatable Dipole on 80m
 85 foot crankup tower
 GRID laptop running CT 9.26

NA5S Home Station, Dallas, TX

Club: North Texas Contest Club

Friday:

After taking the lovely wife to the movie I decided it was time to get ready for SS. Big mistake. Should have just gotten some rest. Spent more than two hours building a CW interface (couldn't find the one from last year in the junk box) and most of that time looking for a DB-9 female connector to plug into the back of the GRID laptop. Left it with NA5S for the run of his station and for next year. :-)

Got a beautiful TenTec case and put in 3 RCA connector, RG-174/U cable to the computer and the remaining two RCAs to the Rig and CMOS III, the latter which I never touched during the contest.

Saturday:

Up after only five hours of sleep got to the NORTEX meeting. Lunch with the guys at Dickey's BBQ on Forest. NA5S station 100 yards to the south. See that the tower is lowered. Jeff says that he will readjust 40m beam to work better F/B.

Over to the QTH of Jeff, NA5S, and he is out for lunch so he is late. Sorry I missed the gang at 14.060 before the test. Setup the laptop, interface, learn to use the buttons on the FT-1000 and we set the power out to 4.5W using the Bird Wattmeter

on 80 and 40m. Big mistake here as I will point out later.

Try to find W5TFB 10 mins before on 40m. Everybody and their brother is doing last minute on the air testing. :-) I heard Jack later in the contest but he didn't hear me.

OK, the race starts at 0300UTC. And a fast race it is.

I look at 15m and spend an hour there. Knock off 25 Qs including WA1GUV, his #12 my #7. Wow, the fox had me skunked already. But I did get AB, PR, RI, NH, VI for some tough multipliers off the top. :-)

Down to 20m for the next 2.5hrs. Beam is working fairly well but didn't seem to have the F/B ratio of 12.5dB. Next morning Jeff and I find out why. Remember he had the beam down? When he put it back up, he went to 70' instead of 85'. He had asked me when I got there if I wanted it all the way up and I was thinking that I didn't want too low a takeoff angle. WRONG. I was able to work guys off the side of the beam. A no-no if there ever was one. I mentioned it to Jeff and he didn't understand it either. He called the Pres of Force 12 and he said raise it to the full 85'. We did that Sunday morning. It made all the difference in the world. Unfortunately I kept hitting alt-W 'cuz I had worked everyone I came across.

I won't drag out the report. About the same as everyone else.

1. S&P is about it.
2. Held a freq on 20m for 3 or 4 Qs and some B station would come and bounce me off the freq.
3. Had a 7 and several others tell me I was the loudest sig on the band. In fact some (*&(*&#\$\$, when I had the beam pointed at 30 degrees E of N told me to check the power out. :-(Jeff and I did. It was at ****2.0W**** on 20m. Not the 4.5W that I thought I was running. Wasted about 30min on this one due to interference from the other station and checking out and getting certified that I was indeed Q-class. If I find the guy who did the (&(*&(@&#\$\$ on 20m I'll nail him. I have witnesses gang. Look at my score. Everyone else beat the crap outta me.
4. I heard all 78 sections. On Sunday afternoon, N7NG in WYO had pileup so deep at 14.0386MHz. This guy was doing 38 or more WPM. I tried for 20 min and gave up on breaking the pileup. This guy had the queue lined up as far as the eye could see. A super operator. Had he operated from the start he could have easily taken first place. WYO was the rarest of them all. Thought that I would come back later. Well I waited too long.

So, if someone in this group has tower(s) and beam(s) in WYO and wants a guest op, I'm your man. Q-class and I'd be guaranteed a clean sweep. :-)

5. Heard VE2FFE in PQ and VY1JA in YU both S&P and I couldn't catch 'em. The B station didn't like me calling them on HIS frequency. :-)
6. Called CQ at 24WPM when I could hold a freq for 3 or 4 Qs.
7. Ran 30-46WPM calling the fast guys. Yep, they are speed demons but they want 2,000 Qs and I'll find out later tonight if one of our guys in Dallas took first place. He has the best chance of anyone I know. B-class and a speed demon.
8. Ran CT 9.26 on a GRID laptop. The only way to go. I like the alt-K sequence myself. :-) The only problem. Not enough space between the number and Q. Had to repeat too many times. Fix it for next year.
9. Next year, raise tower to full height.
10. \$4,000 receiver is the only way to go. Beats anything else I have ever used under such conditions. Someone outta do a high performance kit for \$400 or so. Meet or beat the FT-1000 specs and you can get rich. I'll buy one.
11. The first hour I had the filter set at 2400Hz. :-) Changed that when I bopped down to 20m. Used 500Hz the rest of the time. Didn't need the 250Hz filter.
12. Just after sunset I rotated the 20m beam (still at the low altitude to the NW). Hey, this was the same time period last year I got the KL7. Yep, 3 Qs later I had the great state of Alaska bagged. In fact came back later to get a couple of more.
13. Hey, on a roll, lets fire at the islands. Yep, KH6 bagged. Much easier this year. I just love it when a plan comes together.
14. When I did have a freq and called CQ got a bunch of QRPers. Thanks gang.
15. Headphones hurt after 12 hours.
16. When I got home and took shower heard 13 sections calling me.
17. For next year, start practicing now. Get RUFZ. Strip out the DX calls. Practice only on the US. Do it everyday.
18. QTTF, FD, and other contests are a cakewalk compared to SS.
19. 80m Qs do count towards the EMPS. QRP on 80m is tough. Real tough. Last hour that I operated I could not raise a soul on 80m by calling CQ. Not a one.

I will do free ads for FORCE 12 any day of the week. I kept telling you guys all the time that the antenna is #1 and I just proved it. My next QTH is going to have a bunch of them at 100'. For this setup, 5-element 15m beam at 100', 6-element 20m beam at 80', 3-element 40m beam at 80', and 80m rotatable dipole linear loaded at 95'. 44' booms on the beams gang.

Lots of aluminum and a 2400 pound tower to crank them puppies up. :-) No wonder AA2U kicks the country count up. NA5S has the all but one with 100W. He wants to borrow one of my rigs and he can have one for as long as he wants. We won one of the big guys over gang.

1995 SS - 199Qs at 0.95W with long wire and small Vee-Beam
1996 SS - 439Qs at 4.50W with aluminum at high altitudes

NA5S has a friend for life. Jeff and his wife Kathy made me feel at home. They fed me, though Phyllis brought over a meal on Sunday evening. Jeff's shack is featured in one of the CQ calendars in the last two years. A pleasure to operate. We had fun with him coming in and bringing me a Diet Coke and pie sometimes and checking on how I was doing. He seemed very impressed that some of you guys were way ahead of me. I kept hitting the alt-W 'cuz I was hearing the same guys over and over and over. You noticed how you could hear two or three letters and start for the dial? You are now copying words and calls are words. You can copy sections now at 40WPM I bet.

Last night he and another guy with same antenna system 5 miles away did an experiment between Dallas and San Jose. With one station in SJ CA they both had beams at 70', same exact report. Jeff raised his to 85'. +10dB gain in signal. It's that critical. We'll just call it, for now, the K5FO effect. :-)
I asked them to do experiment again and measure side lobes and F/B. That'll prove my point.

Sorry for the delay on the posting. You'll understand later. Phyllis had a test done Thursday and we got the results yesterday. Not good news so I'll be with her all that I can. I know that you'll all understand that some things in life are more important.

My \$0.02 worth.

It was fun. I'll be back next year for SS.

73 es dit dit de K5FO
: Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50
: EMPS QS0s=109 STATES(w/c)=3/2 DX=0

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [3738] SS Logs

Message-ID: <199611052350.XAA10153@chuck.dallas.sgi.com>

Gang,

As someone mentioned. We don't care if you only worked 3 Qs for SS. Send in the log. The ARRL will think it's a conspiracy. :-)

And they'd be right. You guys and girls went out in adverse conditions at best and gave it a try. You can say - Been There. Done That.

If you need help, ask. There a large number of people on this list and many are neighbors.

Let's start working on the antennas first. More tower for the power. That's my motto. :-) Bumper stickers for Dayton?

Next year, double the goal for me. I did triple this year.

dit dit

: Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50

: EMPS QSOs=109 STATES(w/c)=3/2 DX=0

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996

From: "Jeff M. Gold" <JMG@tntech.edu>

Subject: [3684] SS-CW-not great

Message-ID: <01IBHC0PVXKY8WX926@tntech.edu>

Well after reading the VERY impressive scores and running into a few with those scores, I am a bit embarassed to post this. This was the first time I got to play with my toys in quite a while.. have to admit that at first I was worried about even copying the exchanges at those speeds.

Power=4 watts

Tim =6 hrs, 12 min

Kenwood 930, manual tuner

Gap vertical on 40

Lightning bolt quad on 20 and 80

QSOs=130

Sec= 54

PTs=14,040

good news is I get to buy a pin :-)

love the SS contest

72

Jeff, AC4HF

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Richard Sherman <srichard@aldus.northnet.org>
Subject: [3726] SS: I Win
Message-ID: <1.5.4.16.19961105162823.351f5e0c@aldus.northnet.org>

Hi All,

Yup, I'm a winner in SS. After about 24 hours, I had 300 Q's and 68 sections. So this effort puts me at 10 short of doubling my previous best CW SS effort. And 50 better than my best SSB effort. I was quite proud of myself. I tried CQing a few times but only made about 3 or 4 Q's that way. The rest was pure S&P. I found that by only stopping on stations that were CQing, I had my best rates. Going thru the band a couple times, I pretty much worked it out that way.

I have seen some comments about the speed of the stations during SS. I thought most sent slowly. Maybe my computer keyer is wrong but I had it set for 20wpm most of the time and I thought I was sending faster than most people I worked, including the big guns. A couple of times I kicked it up to 30wpm for a couple that were zipping along and didn't answer the 20wpm call.

A few lessons were learned; like, don't take a nap for "only an hour or so." I woke up 4 hours later and missed 2 hours of prime time 80m Sunday morning. Dooooohh. Gotta put the paddles next to the keyboard, it's so clumsy going for Alt-K and then using the keyboard to send the message.

So, why do I claim to win in SS? It's not because I'm probably the only QRP station entering in the section. And I know there are QRPers with bigger scores than mine. But I had a lot of fun. And that makes me, and everyone else who enjoyed CW SS, a winner.

72 es QRZ SS de WZ2T

Rick NNY

srichard@northnet.org

---If you're not part of the solution,
You're part of the precipitate.---
Steven Wright

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: "Paul R. Valko" <prvalko@Oakland.edu>
Subject: [3745] Stop watching this space!
Message-ID: <Pine.OSF.3.95.961105202755.27747B-100000@vela.acs.oakland.edu>

Hey!!! I really should take the time to write something funny but I'm simply too damn excited!

So long... WB8ZJL... it's been good knowin' ya!

H E L L O W8KC !!!!!!!!!!!!!!!!!!!!!!!

My number two pick, but on second thought I like it better than my first choice! "KC" are the initials of my beautiful two little girls, Katie and Colleen. I am one proud and happy pappy!

By the way, FIRST QSO, was an EXCELLENT two-way QRP contact with John, W8AOA in Colorado.

Back to the shack!

73! =paul= W8KC

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Mark.Milburn@cybrtech.com
Subject: [3717] Ten Tec
Message-ID: <199611052002.PAA126738@nss2.CC.Lehigh.EDU>

I recently bought a little dual band swr/wattmeter from Ten Tec. Used it a couple of weeks and the little power switch on it just crumpled up and gave up.

I called the service dept this morning, and am glad to report...NO HASSLE... NO QUESTIONS....NO COST.....they just wanted to know whether I wanted to send it back for them to fix or if it would be all right just to send me a replacement part and I would put it in myself.

This is typical of the experience I have had with Ten-Tec....and the reason I keep going back. It's so nice to deal with people that back up their products and don't try to figure out ways to get out of their responsibility under the warranties, guarantees, etc. I can't afford to buy a new OMNI VI, and they know it, but they just keep my little group of Ten Tec toys humming along anyway.

72/73 Mark

KQOI @ W0AK.#CIA.IA.USA.NOAM e-mail mark.milburn@cybrtech.com
ARRL - DMRAA - QRP-L #625 - NORCAL #1829 - ARS #139 - NW QRP #418
QRP ARCI #9226

... nfx v2.6 [C0000] Nothing is harder to put up with than a good example

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Jerry Parker <jparker@fix.net>
Subject: [3655] The November NorCal Meeting
Message-ID: <2.2.32.19961105075604.00e2abd8@fix.net>

I have added pictures taken at NorCal's November Meeting to Doug Hendricks
report off the

NorCal Page.

<http://www.fix.net/norcal.html>

Enjoy,,,72, Jerry...WA6OWR...K

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: JACKS118@aol.com
Subject: [3742] Upcomming FOX dates for Novice/Tech
Message-ID: <961105200419_1482985428@emout03.mail.aol.com>

Are there any Novice/Tech FOX dates
in the near future? If so, what are the
rules for the contest/hunt? Please
respond if any.

Thanks

73/72 de KB9LEB

--

dit dit
KB9LEB ==> Jack St.Charles, IL
jacks118@aol.com
<http://members.aol.com/jacks118/kb9leb.html>
Worked 22 states total
Worked 21 states on SSB
Worked 1 states on CW
Worked 1 countries
QRP-L#796
ARRL FRRL QRP-L

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: James <LAGESON@worldnet.att.net>
Subject: [3746] WA0RPI'S NEW CALL
Message-ID: <19961106013856.AAA20694@LOCALNAME>

I just found out my new call, WA0RPI is now N0UR. I wish I could of used it during SS. Listen for me on the bands. Nuts, now I need new QSL's

73/72's Jim.....N0UR

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: KB0PJE /5 Jack Dougherty <jdougher@wt.net>
Subject: [3668] What "Goop" for torroids?
Message-ID: <327F6205.3BEE@wt.net>

I've heard that it's prudent to paint some goop on torroids to hold the windings firm, and prevent frequency drift (especially in mobile applications, which I'm intending for this construction project).

So what kind of Goop to use?? I've heard using Shellac. Any other ideas/what works for you???

TU
KB0PJE /5
Jack /Houston

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: lve1@inel.gov (Larry V East)
Subject: [3690] Zeners and such

Message-ID: <2.2.16.19961105161904.188f4a82@eloi>

Gee, I really expected to receive a lot of comments on my post yesterday -- but only two! (Maybe everyone is up to their ears in SS logs...)

I'd really like to know what you "design gurus" out there think -- am I full of beans? (Or worse? :-). The first reply that I received pointed out that the transistor is NOT conducting at the peak of the output waveform and therefore the clipping action of the Zener shouldn't effect the collector current. Interesting... he is going to model it in SPICE and get back to me (I hope!).

By the way, if you don't believe that the waveform is being clipped, just look at it on a 'scope!

72, Larry W1HUE/7

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Glenn Jones <JONES_GL@a1.lane.edu>
Subject: 72/73
Message-id: <B101ZW0FGI21V*/R=4JNET/R=AXPA1/U=JONES_GL/@MHS>

--Boundary (ID D9zj7EVdcc/4UcVIjaM9uQ)
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

--Boundary (ID D9zj7EVdcc/4UcVIjaM9uQ)
MIME-version: 1.0
Content-type: MESSAGE/RFC822

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [3694] Re: 80m on a 40m dipole

>From: "Jeffrey M. Poulin" <jpoulin@erols.com>
>Dear Folks: After all your good advice on using my little 40M dipole
>for 80M, using a tuner, I finally got to try it. The Ten-Tec 291 tuner
>loaded it with no problem at all AND I can get a 1.1 or 1.2 to 1 SWR.

Hi again Jeff, I just modeled a 66ft dipole fed with 450 ohm ladderline 40ft high using EZNEC. The feedpoint impedance is around 12-j1000 giving a sky high SWR on the ladderline. If one puts a parallel capacitor across the ladderline about 44ft from the antenna, it will

result in a 450ohm Z0-match which is kind to your balun and easily matched by your tuner. That limits the loss due to SWR to that 44ft top section and makes the rest of your feedline virtually lossless. This is about the best efficiency one can hope for using a 40m dipole on 80m. One can plug in the cap for 80m and unplug it for 40m. Actual value and exact location of the cap depends on the actual SWR at a particular QTH, something EZNEC can't tell us.

73, Cecil, W6RCA, 00TC (not speaking for my employer)

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [3653] Re: Antenna Efficiency
Message-ID: <Pine.SUN.3.90.961104213838.2554B-100000@vortex.sage.dri.edu>

On Mon, 4 Nov 1996, Cecil A Moore wrote:

> >It is always 100% efficient, compared to the antenna that it replaced,
> >if the antenna that it replaced was non-existent!
>
> Hey Brian, is an isotropic antenna non-existent? ;-)
>

You will see the isotropic antenna when you hear the sound of
a tree that fell when no one was there to hear it..... :-)

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [3664] Re: Antenna Efficiency
Message-ID: <Pine.SOL.3.94.961105071352.14700E-100000@utkux4.utcc.utk.edu>

On the isotropic antenna:

Isotropic means radiating equally into an unobstructed volume (i.e., a sphere), with a consequentially easily calculated radiation spread and strength in any direction. That makes it a universal standard for any antenna in any orientation.

Brian Beezley, K6STI, showed that it is possible to make a good approximation of an isotropic radiator--sometime back in QST, I think. The performance was as close to the ideal used in calculations as real Yagis and verticals get to their modeled counterparts.

So an isotropic has 0 dBi gain referenced to an isotropic. However, many antennas folks discuss have -X dBi gain, and everything directional has some directions with -x dBi gain. You only get +x dBi in one direction by robbing another direction.

If every antenna gain is specified in dBi, then any two or more antennas can be compared by simple arithmetic (if we ignore other factors in the design, which--in reality--we should not do). And, conversely, any comparison of two antennas can be converted back into individual gains, if at least one antenna's figure is known.

It used to be common for folks with horizontals to use dBd, but that only confused some folks because a real dipole up 1/2 wl or more has over 5 dBd gain. Some folks used to compare verticals with a quarterwave vertical--although free space was not often used--much to the confusion of standards and measurements.

Gain in dBd = Gain in dBi - 2.14 (or 2.15 or 2.1, depending on truncation preferences). No reason to fool with it, since it is a theoretical as isotropic, but lots less universal as a base line standard. With isotropic, one need not worry about polarization, dipole pattern undulations, etc. Those ideas come into play when comparing a real dipole in the back yard with a real Yagi in the back yard.

But I guess it still bothers people that the bedsprings they are loading up have less gain anywhere than Beezley's isotropic approximation--until they make their first contact with them.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Patrick Taber <ptaber@logiccraft.com>
Subject: [3665] Re: Antenna Efficiency
Message-ID: <1.5.4.32.19961105130633.009430f4@freebird>

>If every antenna gain is specified in dBi, then any two or more antennas
>can be compared by simple arithmetic (if we ignore other factors in the

>design, which--in reality--we should not do). And, conversely, any
>comparison of two antennas can be converted back into individual gains, if
>at least one antenna's figure is known.

>

If that were true, it would have caught on by now. But, in fact, with everything expressed in dBi, no two marketeers could seem to add things up and get the same result. In fact, it brought up the new unit of measure dBM (not to be confused with dBm unless it would make you buy...) -- dB of Marketing gain. This explains why antenna X could have "3dB gain over any of its competitors" while antenna Y's advert on the facing page would scream out that it had 13.32145 dB gain over antenna X "in the most important direction." (The one between the ad copy and your wallet.)

>>>==>PStJTT (KC1TD)

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: "Chris J. Cartwright - ELF" <dsc3cjc@imc220.med.navy.mil>
Subject: [3673] Re: Antenna Efficiency
Message-ID: <Pine.3.89.9611050955.A4168-0100000@imc220>

On Mon, 4 Nov 1996, Monte Stark wrote:

> > Hey Brian, is an isotropic antenna non-existent? ;-)
> >
>
> You will see the isotropic antenna when you hear the sound of
> a tree that fell when no one was there to hear it..... :-)
>

With my luck that would be the tree that's holding up the middle of my isotropic inverted vee :)

-- Chris Cartwright N3XRV Gaithersburg, MD | dsc3cjc@imc220.med.navy.mil --
-- EMPS QS0s=0 STATES(w/c)=0/0 DX=0 FOX=0 | QRP-L #655 QRP-ARCI #9271 --

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Stan Goldstein <stan@cruzio.com>
Subject: [3654] Re: Bobtail Curtain/Half Square Question
Message-ID: <327EED70.50@cruzio.com>

Mike Boice wrote:

>

> I'm contemplating building one of these (I believe they're the same design)
> cut for 18.096 MHz.

>.... but the remaining vertical leg would
> end up laying on the roof (only a couple feet below). While I assume this
> would probably fall into the "effective" category (as related in recent
> postings), I'm wondering if there is a better way around this, or possibly
> an alternative antenna design for 17 meters that would better use this space
> (vertically &/or horizontally). I'm thinking that I might actually be able
> to get some type of "gain" antenna up (albeit relatively low to the ground)
> for this band, since the wavelengths are so short.

Hi Mike, As I recall the way a bobtail works is like 2 phased verticals .

Bending one just a few feet down would probably alter the way the antenna works.

Effective ? Try building or modeling it.

If you can bring the vertical leg down, but at an angle, and you do the same thing with the other leg (keeping them parallel) , it sould work.

>
> Also, what is the rough feedpoint impedance of a bobtail curtain if properly
> hung?

The impedance , if fed from the bottom is very high, similiar to a half-wave vertical m in the order of several thousand ohms.

I have seen top feed info that suggests the impedance can be made very close to 50 ohms.

I think QST had an article on a "dual-bander " for 12/17 I think.

Seems like it was about 2 years ago.

I had one up for 80 m , for a while and it performed ok, about equal or perhaps a tad better in its favored direction when compared to a dipole @ 60 feet.

72.5 Stan , N6ULU

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [3675] Re: CW, S/S and Arthritis
Message-ID: <199611051426.HAA04045@dancris.com>

>Date: Tue, 05 Nov 1996 07:19:39
>To: wb2vuo@juno.com
>From: Bob Hightower <ki7mn@dancris.com>
>Subject: Re: CW, S/S and Arthritis

>

>At 10:24 PM 11/4/96 PST, you wrote:

>>Not to re-start the thread, but I tried a straight key, a set of Kent
>>paddles with a Curtis Keyer and a keyboard this year on S/S. The
>>keyboard won, hands down.

>>

>>

>>Now, for the CW purists out there, I don't care HOW I generate the CW, I
>>am STILL copying it in my head, just as I always have. The Extra took
>>29 years due to the basic inability to write that fast, not to copy that
>>fast. I am not going to let swollen knuckles and immobile wrists keep me
>>off CW, and I just got the info tonite on the CW keyer interface for my
>>Log-EQF logging program. I will keep the J-38 and the Speed-X around
>>for slower CW and short-term casual operation, but it is KEYBOARDS for
>>me in the Contests from now on...

>>

>>

>

>OK, you send on the keyboard, and copy in the head. Those of us who don't
have the speed, or, like you, can't write fast enough, have to struggle to
copy the keyboard sending, if it is really fast (like a lot of the ss
stuff). I'm not a purist, just out to have some fun, and it's no fun trying
to copy code sent at light speed that never slows down.

>

>Sure, there are those who do slow down to respond to a call at the speed it
was sent, but they are few and far between.

>

>If we can use keyboards to send, and tnc's to copy, why have a code
requirement at all? Old question, no answer.

>

73,

Bob KI7MN NorCal 1221 ARCI 8918 Qrp-1 271 CQC 274 ARRL (Not in any
order of importance!)

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: "Dean Marzocca" <n2tnn@ifu.net>
Subject: [3749] Re: CW, S/S and Arthritis
Message-ID: <199611060152.UAA15617@mail.ifu.net>

I won't comment on your sending style if you tell me which logger workes
for most of the qrp contests. :-)

72/73, Dean, NJ, N2TNN, QRP-L # 560
EMPS Q=4 S=3 DX=1

The
> keyboard won, hands down.
and finished the day out on the keys.
>
> Now, for the CW purists out there, I don't care HOW I generate the CW, I
> am STILL copying it in my head, just as I always have.
> off CW, and I just got the info tonite on the CW keyer interface for my
> Log-EQF logging program. I will keep the J-38 and the Speed-X around
> for slower CW and short-term casual operation, but it is KEYBOARDS for
> me in the Contests from now on...
>
> 72/73, Keith, WB2VUO, QRP-L #582

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: rhight@primenet.com (Roger Hightower)
Subject: [3757] Re: CW, S/S and Arthritis
Message-ID: <199611060445.VAA10539@primenet.com>

At 10:24 PM 11/4/96 PST, William K Hibbert wrote:
(snip)>

>I could get through about 5 QSO's on the pump handle, and maybe 12 - 15
>on the keyer. At that point, joint lock-up occurred. I threw in the
>towel and went exclusively with the MFJ Keyboard Keyer (borrowed) at
>that point, and finished the day out on the keys.
>

I had a small problem with that, in that the rig was too far from the
computer and just one shelf too high for comfortable tuning. Rotator cuff
gave me fits, so during the "break" I rearranged things to be more
comfortable. Never would have made it without the computer interface for
keying.

72/73 de Roger N7KT

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: James Bennett <james@research.nj.nec.com>
Subject: [3718] Re: FOX REPORT KA5DVS
Message-ID: <Pine.sol.3.91.961105152435.7647B-1000000@shakti>

Please correct the entry for Paul NA5N. Should be NM not TX for
the state. Sorry Texas... My mistake.
James Bennett
KA5DVS

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: wmcshan@REX.RE.uokhsc.edu (Mike McShan)
Subject: [3719] Re: FOX REPORT KA5DVS
Message-ID: <v01540b02aea5512e5f42@[157.142.56.166]>

>Group,
>Here is my report from last night.
>(snip, snip, snip)
>Call RST sent/rec QTH Name NR

>AB5UA */539 OK Clif 478

>KK5RO */559 OK Vernon 325
>N5ET */549 TX Bob 123
>N6ULU 539/559 CA Stan 66

>K5UP 569/449 OK Glen 21
>AC5BC 339/449 OK Bill 5W
>KE5TF 559/549 TX Linda 5W

>NA5N 559/559 TX Paul 38
>K6VNX 339/439 CA Arlen 3W
>WA9YLB 559/559 TX Jim 5W
>N5JKY 449/559 OK Mike 300

>AA2WJ 449/449 TX Dick 5W
>W5TFB 569/569 TX Jack 282
>W6BAB 339/559 CA Harvey 2W
>AB6DG 449/129 CA John 48

>K06KA 439/439 CA Rob 176
>
>James Bennett
>KA5DVS

Hmm..... 5 OK, 5 CA, and 6 TX. Let's see, the approximate populations of those states are Oklahoma: 3 million, Texas: 18 million, and California: 36 million. Now, if we normalize the scores to reflect the relative populations we get:

State	QSOs	weighting factor	Total
CA	5	1	5
TX	6	2	12
OK	5	12	60!

Obviously, we are so far ahead you guys will never catch up. ;)

72/73,
Mike N5JKY
(Figures never lie, but liars figure)

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [3721] Re: FOX REPORT KA5DVS
Message-ID: <199611052048.NAA18112@zia.aoc.nrao.edu>

I live about ONE MILE west of the Rio Grande River. Many Texans still think their western border is the Rio Grande. By that definition, I'll admit, I am perilously close to TX!

You did a great job, James.

72, Paul NA5N

NEW MEXICO ... so much like heaven, yet so close to Texas.

PS to CHUCK ... OK, I cashed your \$100 check to send TX to give you guys one more FOX over CA. So I got caught, sorry. hi.

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996

From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [3725] Re: FOX REPORT KA5DVS
Message-ID: <199611052125.VAA09820@chuck.dallas.sgi.com>

James et.al.,

As we say in TX, card laid is a card played. :-)

OK, we'll give him back to NM. Probably lower the average IQ of this state doing so. ;-)

dit dit

: Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50
: EMPS QSOs=3 STATES(w/c)=3/2 DX=0 : MO TN OK

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Bill Myers <bmyers@destin.nfds.net>
Subject: [3689] Re: FOX That was fun!
Message-ID: <1.5.4.16.19961105101520.252f2876@destin.nfds.net>

At 09:45 AM 11/5/96 -0500, James Bennett wrote:
>Thanks to everyone for the contacts and especially for the patience.
>I really had a great time!

You did good, considering the noise here. I was sitting at the work table assembling my 40-9er (I was lucky enough to get one of the last ones) and had set the dial at 7034.2 with the filters off on my Icom 735 (4 watts). When you called QRL and made your first call, you just about popped the speaker out, good strong signal. By the time I tuned into your receive you had dropped to the 559 I gave you. Shortly after 0300, you disappeared.

Thanks...you're my second Fox. I only get to hunt on Monday and Tuesday, I'm working 3-11 local this month and I'm off on those two nights.

72/73

--

Bill Myers KK4KF FISTS #2390 QRP-L #755 ARRL
Snail Mail P. O. Box 178
 Shalimar, FL 32579-0178
Grid EM60rk
e-mail <bmyers@destin.nfds.net>
homepage <http://destin.nfds.net/~bmyers/>
CHECK OUT THE FISTS INTERNATIONAL CW CLUB HOMEPAGE
<http://n9nvv.qrp.com/~fists>
 ^^^^ That's N 9 N V V

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [3722] Re: Inefficient but effective antennas
Message-ID: <199611052059.UAA23327@mail.enterprise.net>

I am afraid the Joystick is no longer available. It was indeed made in UK by Partridge Elec and has not been around for some years. What it was basically was a lumped inductance 'fed' with a single wire, which did most of the radiating. The companion matching unit was called the Joymatch and was just a Pi tank ATU. They were quite popular and people were happy with them, although no doubt, they could have got the same results from an end fed wire!

Happy days!

72/3

Frank G3YCC GQRP 042

QRP Web pages: <http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: JessQRP@aol.com
Subject: [3739] Re: Inefficient but effective antennas
Message-ID: <961105185628_1081154976@emout14.mail.aol.com>

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: d.nordquest@juno.com
Subject: [3659] Re: IRF510/511 PA's
Message-ID: <19961104.221137.4783.1.d.nordquest@juno.com>

Just in case it was not mentioned earlier, there was an article on using these transistors in 12 to 20 watt cw transmitters in the Dec 86 QST, reprinted in QRP CLASSICS. I built the 40 meter version and it performs as advertised -- about 16 watts out of a single IRF510/511. I think the author published an update in a QUARTERLY and that A&A Engineering had a kit version, which was reviewed in another issue. Apparently the PA tolerates a high SWR nicely.

Dave KE9ED

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: "Len W. Touth" <len@infinet.com>
Subject: [3670] Re: Keyer paddles for portable operation.
Message-ID: <199611051354.IAA11141@mail1.infinet.com>

I use the Nye Viking paddles (model ssk001). I like these because they have a heavy cover that protects the mechanism, and two long plastic paddles that emerge from under the covering and are easy to use while portable, or MOBILE. The base is also heavy enough to stay put, but not too heavy as to make it a pain to travel with.

I have tried Vibroplex, Kent, and Bencher. Nye Viking is my fave for portable/mobile. They are also fairly inexpensive. I paid \$45 for mine. This being said, I find it amazing to actually admit that I really love the "feel" of these inexpensive paddles.

Len
KG8SF

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [3674] Re: Laptop source
Message-ID: <199611051420.HAA03956@dancris.com>

At 04:35 AM 11/5/96 EST, you wrote:

>
>

>Does anyone know of an inexpensive source for BWlaptops such as 8088,
>8086, 80286? I am looking for one to be used with a TCPIP packet station.
>Thanks Jim

>

I have a couple of Toshiba T-1000's. 100 bix each, plus shipping. Only one set of manuals, though. If interested, please reply directly, not to the list.
73,

Bob KI7MN NorCal 1221 ARCI 8918 Qrp-1 271 CQC 274 ARRL (Not in any order of importance!)

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: jdenison@aisp.net (JOEL DENISON)

Subject: [3756] RE: need new mike for qrp1
Message-ID: <19961106050206275.AAA149@slip20.ts-f-merrill.caps.maine.edu>

I need a microphone for my QRP+ radio... I remember reading somewhere that the average mic doesn't work well... do I need to get one from "the factory" or is there a good mail-order source?

Bob ki5ez

Bob

I am using the boom mike headset that radio shack sells with my qrp+ with good results. I just got the correct adaptors and away it went!

I also got the mike from mfj that is recommended for the qrp+ (it's there in the operating manual. (they recommend an Icom and a mfj mic)(as I recall)

I have also used the mike from my radio shack handi talki and received good reports on it.

Go with the manual or try the ones I have used. There is the good probability that someone will post a list of mics that will work better than the ones I have used. Good Luck.

Bye now
God Bless
Joel

WA5CVM	Qrp ARCI #4066	NE-QRP #476	QRP-L #765
Joel Denison			
81 High street	33ft Vertical up 6ft	&	Inverted Vee up 40ft.
Farmington, Maine 04938			
jdenison@aisp.net	QRP PLUS	5w	SSB & CW

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: "Seabury Lyon, AA1MY" <SSLYON@postoffice.worldnet.att.net>
Subject: [3677] Re: No Fox, but.....
Message-ID: <19961105143733.AAA13525@LOCALNAME>

At 01:28 PM 11/5/96 +0000, you wrote:

>Gang,
>
> No fox (again) in M0 tonight, but heard XE1ABE calling cq, so
>I called him with my mighty 5 watts. He came back with a 559, name
>Hugo, in Morelia, Michoacan. He was running 15 watts (HB) to a Bazooka
>antenna. I guess the moral is "if you can't work the fox, go for the dx!"
>Obviously, 40 meters had "stretched out", and I was in the Fox's skip zone.
>*****

Yup... I had to console myself with a 559 from F3NB. -Heard quite a few others, tho, and got my first MO 2-X QRP w/NFØR. (449) Also

WAS 30M DEAD OR WHAT?!!!

=S=

>

Seabury "Seab" Lyon AA1MY
44 Codfish Hill Road
Bethel, CT, 06801, USA

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Bill Myers <bmyers@destin.nfds.net>
Subject: [3679] Re: Norcal Pics
Message-ID: <1.5.4.16.19961105084233.1eef3582@destin.nfds.net>

At 08:56 PM 11/5/96 -0800, Bradley S. Mitchell wrote:

>Nice Pictures of the Meeting!

I agree, in fact...EXCELLENT Pictures.....

Nice picture of Myron sharing the Colorado QRP Clubs field day pictures with Doug...But I DID notice Doug isn't reciprocating with that sandwich!!!

Almost makes me want to go to California.....

72/73

--

Bill Myers KK4KF FISTS #2390 QRP-L #755 ARRL
Snail Mail P. O. Box 178
Shalimar, FL 32579-0178
Grid EM60rk
e-mail <bmyers@destin.nfds.net>
homepage <http://destin.nfds.net/~bmyers/>
CHECK OUT THE FISTS INTERNATIONAL CW CLUB HOMEPAGE
<http://n9nvv.qrp.com/~fists>
^^^^ That's N 9 N V V

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Richard Wilkerson <richqrp@pacbell.net>
Subject: [3685] Re: NW8020 Speaker Cutout

Message-ID: <327F8F2C.5C19@pacbell.net>

KB0PJE /5 Jack Dougherty wrote:

>
> I'm nearing completion of my NW8020 project, got the receiver section
> working this weekend, etc. and am looking forward to completion steps.
>
> Where have folks mounted the speaker? What size works for you??
>
> I have the recommended Radio Shack enclosure purchased, and notice that
> there are holes in the "sides". Anyone use these? Or should I plan on
> drilling a grill pattern in top??
>
> Appreciate the experience of others with this kit (which BTW has been a
> bunch of fun and has great support from Emtech during the build process,
> but I'm trying to get a broader consensus here on speaker placement).
> TU
> KB0PJE /5
> Jack /Houston....

Jack I left mine alone, I just have a small earphone jack that I also
use for external speaker. But one thing I really have to agree on
is the help from Emtech, Roy is on of a kind. Hope you enjoy the rig,
I sure have. 72's rich wd6fdd

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [3692] Re: NW8020 Speaker Cutout
Message-ID: <199611051631.JAA07246@zia.aoc.nrao.edu>

Jack,
On my NW40, I mounted the speaker on the top enclosure. Basically
drilled a bunch of holes in an array (of which about half of the
holes actually came out in a straight line -hi). I also mounted
the speaker using 1/2 inch (or maybe 3/4 inch) standoffs, to move
the actual speaker body away from the metal top. This gave it a
better sound by not rattling the metal work. Kinda isolates the
speaker from the enclosure.

72, Paul NA5N

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: WD6BOR@aol.com
Subject: [3728] Re: QRP ARCI Nominations
Message-ID: <961105165207_222866876@emout06.mail.aol.com>

In a message dated 96-11-05 14:57:38 EST, ki6ds@dpo1.k12.ca.us (Doug Hendricks) writes:

<< I am going to nominate the following: Jim Cates, WA6GER, Chuck Adams, KF50 and Wayne Burdick, N6KR.

>>

Doug,

I second (or third) your nominations to the QRP Hall of Fame, although Chuck does seem a little crazy. I guess we can chalk that up to his being from Texas.

All three need to be recognized for all the work these three gentlemen have done to popularize QRP through the Norcal club, the Internet and Wayne's designs. I think we will hear from many other QRPers who will agree wholeheartedly.

Darrel, WD6BOR

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [3734] Re: QRP ARCI Nominations
Message-ID: <199611052250.PAA23131@zia.aoc.nrao.edu>

I'm not real familiar with the ins-and-outs of the Hall of Fame criteria, so hope my ignorance doesn't get in the way here.

But the way I see it, there is undisputable growth in QRP ongoing for the past 3 years. In my personal opinion, it is largely due to the three dominant QRP organizations ... NorCal, QRP-L, and ARCI.

Many have enjoyed the various kits over the past 2 years from NorCal. Some would not be on the air today without a NorCal 40, Sierra, St. Louis Tuner, or yes, even a 40-9er. Somebody (like Jim Cates) has labored long hours filling orders and putting resistors and toroid cores into little neat sacks. It is one of those behind-the-scene jobs that has quietly attributed to the enjoyment many of us derived from QRP and the NorCal offerings. I SECOND THE NOMINATION for Jim Cates.

And where would we be without that "something" to build. Without a doubt, Wayne's NorCal 40 launched an era and has since spawned other kit suppliers and development by others. The NC40 proved

a club, and later a business, could provide a VIABLE simple kit, easily built, that can work the world on a QRPers budget. The 40-9er, meant merely as an experimental platform for a building contest, with MAYBE 100 participants, is now world famous. Who else, besides the combination of Wayne and NorCal, could have kitted and marketted a 1000 of those transceivers in a few mere months?

I SECOND THE NOMINATION for Wayne Burdick.

Also in my opinion, the second largest QRP organization in the U.S. is now QRP-L. Just looking at todays mail, there are QRPers using QRP-L to find parts, brag about their SS or FOX contacts, designing an IRF510 final amplifier, etc. This is a QRP organization that can respond to our needs IN MINUTES. The FOX hunts, TMPs, etc. are legendary and have kept QRP activity on-the-air at a respectable daily level. QRP-L was started, and still mothered by Chuck Adams. It has been a SIGNIFICANT contribution to QRPers. Chuck is ALWAYS there for us; like clockwork. If it weren't for QRP-L, who in the heck would I be typing this to? My system administrator?

I SECOND THE NOMINATION for Chuck Adams.

And if the purpose of the QRP Hall of Fame is to recognize those individuals who have caused a quantum leap in some aspect of QRPing, then next year's nominations should include folks like Doug Hendricks himself, Dave Benson (NN1G/SW Labs), Dave Gauding (St. Louis QRP fame), etc.

And for those of you who have never met any of these world-class individuals, then make plans now to attend next years Dayton or PacifiCon, etc.

72, Paul NA5N

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: rright@primenet.com (Roger Hightower)
Subject: [3743] Re: QRP-L number
Message-ID: <199611060108.SAA02593@primenet.com>

At 08:01 PM 11/5/96 -0500, OJWA1YIA@aol.com wrote:

>Well my callsign has changed...how do I update the qrp-l number list?
>cu---oj--k1oj--prev. wa1yia
>
>

send an e-mail to Jim at lujce@lehigh.edu. He can do it.

72/73 de Roger N7KT

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: WBarnhart@gnn.com (Wayne Barnhart)
Subject: [3701] Re: RF probe
Message-ID: <199611051821.NAA05005@mail-e2b.gnn.com>

>Date: Mon, 04 Nov 1996 12:59:27 -0800
>From: David Adams <adamsclan@netgate.net>
>Sender: owner-qrp-1@Lehigh.EDU
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: RF probe
>
>Greetings! I need an rf probe to align my hw8. Anyone have a
good
>design? The one in the 8 manual did NOT work.
>
>73 de dave, n9uxu
>
Dont remember which but either Nov 73 or QST describes how to
design one of them things.

Wayne WB7WHI
Spokane, Wa.

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: "Robert D. Haslach" <rhaslach@CapAccess.org>
Subject: [3750] Re: six meter receiver
Message-ID: <Pine.SUN.3.91-FP.961105205914.14508A-100000@cap1.capaccess.org>

The 15 m transceiver sounds attractive to me - does anyone have the
magazine reference - maybe Danny Gingell?

Regards,
Robert D. Haslach
Bye

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: rhight@primenet.com (Roger Hightower)
Subject: [3737] Re: SLV Mod Idea
Message-ID: <199611052345.QAA07088@primenet.com>

At 10:34 AM 11/5/96 -0800, Doug Hendricks wrote:

(snip) Wind a coil on the
>form using insulated copper wire that is spaced with a second piece of wire,
>which would be removed after winding, using it just as a spacer.

How about using large diameter weed-whacker string (the heavy nylon stuff)
as a spacer. Then you wouldn't have to remove it, and could just
heat-shrink over the whole thing? Think I'll work on that.

72/73 de Roger AA7QY (or N7KT, as I have been told. Waiting for the paper)

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Bruce Robertson <brucerob@chass.utoronto.ca>
Subject: [3695] Re: SLV Vertical Efficiency and antenna EFFECTIVENESS
Message-ID: <Pine.SGI.3.95.961105115034.1463C-100000@chass.utoronto.ca>

On Sun, 3 Nov 1996 Dave.Ackrill@westwood45.powergen.co.uk wrote:

>
> On the point that Jess made about putting off those who might have
> great fun with aereals with few radials, if they were not put off by
> the statements that they wont work, think of the people who said that
> we couldn't travel faster than 20 miles an hour because we wouldn't be
> able to breath at that speed. Someone must have ignored these
> 'proofs' and tried it to see.....
>
> Cheers - Dave (G0DJA)
>

The problem with this discussion is that those who are responding to the
original analysis of the efficiency of the SLV have taken its deterrent
effect on novices as an important criterion.

Let it be said that freshly cooked pasta loaded up with a Johnson Matchbox
will someday somehow work a longpath 160m contact. But I wouldn't
recommend it to a novice. Rather, one advises a compromise between

efficiency and practicality. The SLV seems like a reasonable example. Nonetheless, knowing that it is not near the best a vertical can do and *how* it falls short is, to me at least, a very important part of this hobby.

One example: there is, if memory serves, only a handful of radials on the SLV. Adding more will increase efficiency. How much? Will I hear it on my radio? Will it help me make 1000 miles per watt? Well, lay 'em down and find out.

Another example: someone asked how the SLV compared to other verticals such as the butternut xg200 (name changed due to complete ignorance of commercial antennas). The easiest comparison, though, is to consider all of these as degraded (but workable) examples of the ideal 1/4 wave vertical.

Let's not let our novices get scared. But let's not let the rest of us forget (or fail to learn) basic antenna theory.

72, VE3UWL

Bruce G. Robertson Dept. of Classics, U. of T.

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Bob White W03B <bobwhitewo3b@geocities.com>
Subject: [3699] Re: SLV Vertical Efficiency and antenna EFFECTIVENESS
Message-ID: <327F808E.40A6@geocities.com>

I consider the SLV as a mobile (in my case for camping) antenna. Now I already have a "mobile" antenna on my car that I can use for camping, but I bet the SLV will outperform it in most cases, and it sure beats changing hamsticks everytime I do a band change.

Lets run some tests.

I will do the SLV vs. Hamsticks. Who will test the Hustler and the Outbacker?

72,
Bob W03B

* Bob White W03B -- QTH Pasadena, MD (3907.44 7627.02) *
* HTTP://www.geocities.com/SiliconValley/5582 *

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Richard Wilkerson <richqrp@pacbell.net>
Subject: [3682] Re: Spartan Sprint...
Message-ID: <327F8C76.6439@pacbell.net>

Robert A. Schill wrote:

>
> I'm just curious...how did you guys do on the Spartan Sprint? I tried
> the old HW7 and heard nothing except W3TS up in Pa. I switched to the
> receiver on the Argonaut 515 and not much difference. Needless to say I
> didn't do well.
>
> 72/73
>
> Bob Schill N9ZZ
> Mountain Home, Arkansas
> ARCI QRP # 4744, MI QRP #266, AR QRP #1, QRP-L #705, ARS #189
> E-Mail address : N9ZZ@juno.com
> Packet address: N9ZZ @ NOKFQ.#SWMO.MO.USA...

Sounds just like what happened to me last night, more noise than
signals. 73 / 72's rich wd6fdd

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [3732] Re: Speaker grills and "bug proofing" your gear.
Message-ID: <Pine.SOL.3.94.961105172532.9806D-100000@utkux4.utcc.utk.edu>

Two more speaker grill ideas:

1. I have used a rosette of 1/4" holes: 8 in a ring and one center for a
2 to 2.5" speaker. Instead of grabbing the knife to deburr the raw
(pre-painted) aluminum, I sanded both sides to deburr, which left much
cleaner holes. Then a small piece of cloth on the inside keeps dust off
the speaker. Simple fiber washers on the mounting screws minimizes audio
transfer to the aluminum.

2. I have also seen some plastic grills about 3" per side (square
perimeter) that are covers for muffin fan inlets. They have a built-in
thin foam screen. They make an attractive external speaker cover for a
hole sized to the speaker.

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: jbartac@max.state.ia.us (jbartac)
Subject: [3727] RE: SS Code Speeds
Message-ID: <327FCFF1.1D9B@max.state.ia.us>

>Laura stated:

>

> I was amazed to hear the high speeds I heard on the bands. I found it totally
>depressing.

>

> - and - several stations sending at speeds that were unrecognizable to THIS
>human ear. After sending their blur of code a blur would return to them.

I believe that most of the really fast stations were using computer software that
send the required info in CW, and copied the exchange electronically also. They
probably could not read that fast inside the head either. If everyone had contest
software, the exchanges would all go very fast and for all intents and purposes it
would be similar to a RTTY contest. Thankfully, parts of each band were
designated in QST for slower ops (like me, fer instance) could find contest Q's
that were copiable by humans.

72,

Jerry L. Bartachek KD0CA <><
Washington, IA

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [3730] RE: SS Code Speeds
Message-ID: <199611052209.WAA09927@chuck.dallas.sgi.com>

Jerry et.al.,

Yes to sending with the keyboard.

No to receiving with electronic help. The human mind is
better than a machine in a crowded spectrum like 20m on SS day.

dit dit

: Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50
: EMPS QS0s=3 STATES(w/c)=3/2 DX=0 : MO TN OK

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: "Warren E. Lewis" <saswel@unx.sas.com>
Subject: [3731] Re: SS Code Speeds
Message-ID: <199611052219.AA17524@cardamom.unx.sas.com>

> >
> > I was amazed to hear the high speeds I heard on the bands. I found it totally
> >depressing.
> >
> > - and - several stations sending at speeds that were unrecognizable to THIS
> >human ear. After sending their blur of code a blur would return to them.
>
> -----
> I believe that most of the really fast stations were using computer software
that
> send the required info in CW, and copied the exchange electronically also. They
> probably could not read that fast inside the head either. If everyone had
contest
> software, the exchanges would all go very fast and for all intents and purposes
it
> would be similar to a RTTY contest. Thankfully, parts of each band were
> designated in QST for slower ops (like me, fer instance) could find contest Q's
> that were copiable by humans.

Folks...many of the top CW contest ops can copy code sent at
outrageous speeds...I bet our own Chuck could copy a contest
exchange sent at 80wpm. Many of my contesting friends can
ragchew at 35-45 wpm without blinking an eye.

I can copy code a lot faster in a contest than I can ragchewing,
because the exchange has a recognizable pattern to it.
Most ops I worked would send the exchange in the exact same
pattern: mycall NR # Prec theircall check section.
The nice thing is you typically already have their call so
it is just a matter of copying two numbers, an A, B, or Q and the
section. Once you hear STX and NTX enough times you could recognize
it at 50-60wpm easy.

I just do not want people to get the idea that folks are using
computers to decode the code for them...yes they use a computer
to Log, dup check, and send the contest exchange, but when they
work over 1400 QSOs in a 24 hour period and have 100 QSO hours
you have to be able to send and receive that fast.

Not try to flame anybody...just want everybody to understand that

these folks really can send and receive that fast.

cheers - Warren

--

Warren E. Lewis
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PP-ASEL
AD4ZE QRP-L#78 DOD#0021

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: "Bob Follett" <bfollett@ditell.com>
Subject: [3754] RE: SS Code Speeds
Message-ID: <199611060410.VAA22587@orion.ditell.com>

Hi Gang:

Laura wrote:

<<After sending their
blur of code a blur would return to them. Every once in a while, the
calling station would return the call of a station who's speed was such
that EVEN I could copy it! I was astounded to hear that station repeat
itself THREE times. I only heard this happen twice though. >>

I assume that if I were one of the top SS contenders, I would make a
conscious decision about what code speeds would give me the best balance
between speed of operation, and stations that could copy me. Clearly, the
top guns think that somewhere in the 30-40wpm range is the proper balance.
It certainly makes you wonder, could they get a higher score by slowing to
say, 25wpm? (And no, these folks DON'T generally use computers to receive
CW. It just doesn't work that well, and hardly at all under contest
conditions -- the computer is a poor substitute for the brain in receiving
CW -- right
Chuck?)

Since we don't normally hear the majority of the cw ops, QRP or QRO,
working at 30+wpm on non-contest days, how do all these hi speed ops. keep
their receive speed up? I am not talking about the several folk we all
personally know who are really good on hi speed receive -- no, I mean the
hi speed op. contacts (US -- you and me) that they need to rack up to get a
high score.

Somehow don't believe we all sit there and test ourselves with RUFZ once a
day, as Chuck suggested for preparation.

So what's the answer here? Is the balance of hi speed code ops. to medium
speed ops so weighted that you can win the contest by only working stations

that can head copy a set exchange at 35wpm? Inquiring minds want to know.

73, Bob

Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett@ditell.com

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: rhight@primenet.com (Roger Hightower)
Subject: [3755] RE: SS Code Speeds
Message-ID: <199611060442.VAA09406@primenet.com>

At 09:06 PM 11/5/96 -0800, Bob Follett wrote:

>Hi Gang:

(snip)

>Somehow don't believe we all sit there and test ourselves with RUFZ once a
>day, as Chuck suggested for preparation.

>So what's the answer here? Is the balance of hi speed code ops. to medium
>speed ops so weighted that you can win the contest by only working stations
>that can head copy a set exchange at 35wpm? Inquiring minds want to know.
>

Hi Bob & all.

I did use RUFZ for a week before the contest, and it helped sort a lot of it out. As far as my sending speed, I used CT and kept it set on 22 wpm. A few people asked me for repeats, even at that speed. Sometimes I had to slow it down to 18 to answer a slow call, but it worked out.

i also had to ask some others for repeats, but not many. Biggest problem was qrm and not code speed.

72/73 de Roger N7KT

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Jeff Grudin <grudin@pacific.vdbs.com>
Subject: [3748] RE: SS speeds
Message-ID: <327FEAD1.63C8@pacific.vdbs.com>

Re: Sending Speeds

Well I'll admit part of it is my problem, but when I sat down to try some of the SS I wasn't in the best mood. I found as others on the list speeds far above my abilities. That prompted me to listen to one station over and over trying to get his exchange before trying to call. What I heard frequently went like this:

```
CQ SS WD7S (WD7S is a fictitious call)
DE AC6KW
AC6KW alskdf;asldkfj;asldkfja;sldkfjasdklfja;slkj
..--..
AC6KW NR a;slkdfa;slkdfja;lskdfj;alskdfja;sasjf AZ
NR ..--..
NR 7kdlfadf NR 7a;sldkfja;sd
NR 7 ..--..
CQ SS WD7S
```

I listened to him repeat this scenario several times with different callers and I moved on. Listened to several OM's do this and wondered if anybody ever looked into whether these speeds actually increase or decrease your QSO rate. Since most op's I've run into can't do these speeds most seem to have to ask for repeats which slow the process down. It seems if they went along at a good clip like 25 WPM, there would be fewer repeats, more people participating and higher numbers of completed q's. But what do I know I'm just a "little squirt".

I admire all you guys that had any QSO's qrp, and even more the 49er Q's. I tried hard for a while but couldn't quite figure out how to get heard over the QRM, or between it. Most ops I found were in the >150W group. Well, I guess it will take more practice.

--

72 de Jeff AC6KW
grudin@vdbbs.com

QRP-L #16
Norcal QRP #1292

QRP'ers do it less energy (but lot's of enthusiasm)!

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: James <LAGESON@worldnet.att.net>
Subject: [3747] RE: SS/Antenna question
Message-ID: <19961106014003.AAA21075@LOCALNAME>

At 09:02 PM 11/4/96 +0000, you wrote:

>

>Thanks for the idea Jim.

>

>

>BTW, how long is your horizontal section? I can use 60' or 200'. I wonder
>if there would be a performance difference?

>

>72, Mark N2VPK

>

>

>

>

Mark, I ask questions, not answer them (hi hi)All I can tell you is that my
L is 64 feet long, so my horizontal run was about 30 feet. I understand the
longer the vertical section the better. I'm still playing with where to run
my radials, on the ground or elevated. Let me know how it goes, good luck.
I JUST FOUND OUT MY NEW VANITY CALL.....I'M NOW
NØUR!!

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996

From: Gary Surrency <gsurrenc@ix.netcom.com>

Subject: [3753] Re: Ten Tec

Message-ID: <32801627.36AB@ix.netcom.com>

Mark.Milburn@cybrtech.com wrote:

>

> I recently bought a little dual band swr/wattmeter from Ten Tec. Used it
> a couple of weeks and the little power switch on it just crumpled up and
> gave up.

---SNIP----

>I can't afford to

> buy a new OMNI VI, and they know it, but they just keep my little group of
> Ten Tec toys humming along anyway.

>

An example of a company who obviously believes in customer service. Take
note, Kenwood, Icom, Yaesu, etc. I have noticed clean Ten-Tec CW signals on the
bands, as opposed to the horrible clicks that some Kenwoods exhibit during
the T/R transitions. Ten-Tec gear has some of the nicer (clean) signals I hear on
the bands. Good work TT. No, I don't own any of their gear, but I am hoping
to buy one of their rigs sometime.

Thanks for the testimonial.

72,

--

Gary, AB7MY QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996

From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

Subject: [3660] Re: The meaning of QRP

Message-ID: <Pine.SOL.3.94.961105064129.14700A-100000@utkux4.utcc.utk.edu>

On Mon, 4 Nov 1996, Brian.Buydens@usask.ca wrote:

> BTW what does QRO stand for? Quite Ridiculous Output? Also if 1,000 W is
> a full gallon does that mean that 5 W is a full pint?

Brian.

Must be a half pint, since it appeals to young squirts and us old, rusty
buckets.

-73-

LB, W4RNL

P.S. for young squirts: this term used to be (in the 30s) a standard
"name" for younger hams with little experience. It probably would be
considered disrespectful nowadays, when folks want respect on demand, but
way back then, the term meant that the new ham had been accepted into
hamdom and could hope to become an OT, OOT, or something equally
disrespectful in the outside world. Where I grew up, "old man" and "old
woman" were considered disrespectful and taboo terms, whether used by
children or by spouses. But in ham radio, OM was a term of respect, and
every young squirt improved his operating skill so that others would refer
to him on the air as OM. (As Novices, we called each other OM just for
practice, since one young squirt cannot really call another young squirt a
young squirt.) Now consider my bind: my dad was both a ham and my
father: what could I call him? As you may guess, around our house, my
mother settled the issue, and OM was for any other male ham in the
universe, but not my father. 40+ years later, it's still true.

However, if we restore Young Squirt for newer QRP ops, do we call the
experienced (=old) Old Fizzles?

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: N0oct@aol.com
Subject: [3663] Re: VX0's
Message-ID: <961105073033_135909151@emout08.mail.aol.com>

In a message dated 96-11-02 13:33:49 EST, you write:

<<

It reminds me of an eyebrow-raiser in QST a while back: the "Rock-Bending Receiver", Aug. 1995. He violated conventional wisdom and recommended FT-243 crystal holders - everybody else says they bend less <!.>. He uses one of those dual polyfilm variable caps (about 250 pF per section from Mouser), both sections paralleled. Inductance: 22.7 uH total, he recommends breaking it into 2 10 uH and one 2.7 uH (molded chokes). And he claims 25 kHz tuning range with great stability, and up to 50 kHz swing possible.

Anybody tried this one? >>

Haven't tried this one, but the idea that has been put forth by the "guru's" of radio--that the HC-6 [the big cans] AT cut crystals bend the most is a lot of hooley. I've gotten wider frequency shifts [stable shifts, mind you] from HC-49 cans than the big ones. Don't have any FT-243's, so I've never tried them.

Just like the SLV, try it, it could be surprising!

73, jim

ps, wasn't the aforementioned article the one where the guy ran +12Vdc through the mixer, too?

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: JEVERHART@cayman.litc.lockheed.com
Subject: [3680] Re: VX0's
Message-ID: <961105091621.20400940@cayman.vf.mmc.com>

Jim, you wrote:

><<

It reminds me of an eyebrow-raiser in QST a while back: the

"Rock-Bending Receiver", Aug. 1995. He violated conventional wisdom and recommended FT-243 crystal holders - everybody else says they bend less <!.>. He uses one of those dual polyfilm variable caps (about 250 pF per section from Mouser), both sections paralleled. Inductance: 22.7 uH total, he recommends breaking it into 2 10 uH and one 2.7 uH (molded chokes). And he claims 25 kHz tuning range with great stability, and up > to 50 kHz swing possible.
>
> Anybody tried this one? >>
>
>Haven't tried this one, but the idea that has been put forth by the "guru's" >of radio--that the HC-6 [the big cans] AT cut crystals bend the most is a lot >of hooley. I've gotten wider frequency shifts [stable shifts, mind you] from >HC-49 cans than the big ones. Don't have any FT-243's, so I've never tried >them.

Yes, it has been done. Ha-Jo Brandt wrote it up in SPRAT and elsewhere in ham mags and I showed some comparisons with various xtals and series choke combinations in a Joe's Quickie in the QRP Quarterly not too far back. In fact, in 1995, I won a (small) competition NEQRP held with an 80 meter colorburst oscillator that I pulled 15 kHz with good freq stability. (Breaking up the inductance into smaller pieces lessens the effect of stray capacitance across the inductors.)

As far as HC-6 vs other crystal holders, individual samples of one or the other xtals may be superior, but, in general, the holder with the lowest stray parallel capacitance give the most pullability.

There are *other* VXO techniques that have not been much used in amateur circles. If I ever find the time to do more bench work, I'll publish my results (better, more repeatable tuning with improved linearity at the price of xtal measurements and some calculations).

I hope to have more to say by Spring.

72/73,

Joe E., N2CX

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: "Dan Tayloe-P26412" <Dan_Tayloe-P26412@email.mot.com>
Subject: [3720] Re: What "Goop for Torroids?"
Message-ID: <M27840551.003.f0063.1.961105203835Z.CC-MAIL*/OU=SATCG/OU=AZBH/PRMD=MOT/ADMD=MOT/C=US/@MHS>

I like to be able to recycle parts if things don't work out, so I avoid "goop".

What I found works very well is to get some Teflon tape from the plumbing supply section of any hardware store.

Teflon is supposed to be a great RF dielectric, and in this tape form it stretches wonderfully. Two or three layers hold windings into place very well.

I especially like using this stuff on my VFO windings to keep them in place.

- Dan Tayloe, KK7BD, Phoenix, AZ QRPL # 696

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: "Paul R. Valko" <prvalko@Oakland.edu>
Subject: [3687] Re: What "Goop" for torroids?
Message-ID: <Pine.OSF.3.95.961105103157.29390A-100000@saturn.acs.oakland.edu>

On Tue, 5 Nov 1996, KB0PJE /5 Jack Dougherty wrote:

> I've heard that it's prudent to paint some goop on torroids to hold the
> windings firm, and prevent frequency drift (especially in mobile
> applications, which I'm intending for this construction project).
> So what kind of Goop to use?? I've heard using Shellac. Any other
> ideas/what works for you???

Oh oh... Is it??? Could it possibly be????!!!! The beginning of ANOTHER
Q-DOPE thread??? AHHHHHHHHHHrrrrrrrrrggggggggg!!!

And I started it! Somebody shoot me.

73! =paul= wb8zjl

ObQRP: I heard lots of foxhunters working Jim last night but not a peep
out of NJ and the wascally fox!

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Glenn Jones <JONES_GL@a1.lane.edu>
Subject: what is 72/73?

Message-id: <B100ZW0FGDRMW*/R=4JNET/R=AXPA1/U=JONES_GL/@MHS>

ive herd of 73 but not 72/73 whatit mean?

--Boundary (ID D9zj7EVdcc/4UcVIjaM9uQ)--

--Boundary (ID yyNNI//60FxVn6xpsTl2/g)--

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: Glen Leinweber <leinwebe@mcmail.cis.mcmaster.ca>
Subject: [3702] Re: Zeners and such
Message-ID: <1996Nov05.132404-0500@[130.113.234.7]>

Larry East and a few others question whether the zener diode on the collector of a class C output amp can save the transistor under bad SWR conditions. Me too.

So during lunch, got my keyboard all greasy simulating a class C stage on SPICE with a simple circuit. Particularly noted the collector voltage, and current under three load conditions: 0.5, 50 and 50000 ohms.

Well, the collector (peak) voltage & current (peak) was:

load Vc(peak) Ic(peak)

50000 57 .5A

50 41 .7A

0.5 80 2.1A

So the peak collector voltage was least when loaded properly. Vcc was 12v D.C. and the filter was a butterworth five-element lowpass. The transistor was a 2N3904 multiplied by 4.

Also noted that when SWR gets bad, the collector draws negative current. Not sure where it goes, but the zener would likely conduct some of this current away from the transistor.

So a zener CAN protect the collector voltage from going too high, providing its turn-on time is fast enough.

Note: Always take SPICE models, and what they tell you with a grain of salt.

72, Glen VE3DNL

From owner-qrp-l@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Subject: [3691] Re: Zeners, Caps and Amplifiers (long)
Message-ID: <327f6984.pandora@pandora.lugs.org.sg>

On Tue, 05 Nov 1996 08:55:43 -0700, "Larry V East" <lve1@inel.gov> wrote:
> > According to another post, the zener will not even clip because its
> > response time is too slow. What do you think of that?

> SOMETHING is sure as hell clipping -- just
> do the experiment and monitor the collector waveform on a 'scope!

Hi Larry,

I have not really tested this out with a zener, nor do I have the data sheets to verify what the other poster said. He mentioned that looking at the response time of the zener from the data sheet, the zener should not be responding quickly enough to make a difference from the zener action. For a moment it sounds logical. Could the clipping be due to maximum swing limits? Or some other factor we've overlooked?

Anyway, you recommend leaving out the zener. He recommends the same but for different reasons. So, how do we really protect the final transistor from high SWR condition then? Other than using a more robust transistor (sometimes this is not an option, due to design considerations, or perhaps due to the gain necessary from a part, or due to being tied down to a given design (read modification)).

Perhaps we can strap the zener back to the base??!!!! So when the zener conducts, it will pull the base to ground??!! Like an RF switch or something to the effect ... non-linear negative feedback..

73 de 9V1ZV Daniel

p.s. I just found out that my FET linear is producing VHF noise, observed from the Spectrum Analyzer. Interesting. I need to look at it. For the moment it looks like the noise is due to the layout which may be presenting a less than optimum SWR to the XCVR, or there is a bad connection somewhere which is rectifying. Not sure yet but it looks like an interesting phenomena to investigate, once I recuperate from my last experiment :-)

--

```
*-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg      |
| 9V1ZV      | danwee@singnet.com.sg          |
| QRP-L #667 | daniel.wee@f516.n600.z6.fidonet.org |
+-----+-----+
```

From owner-qrp-1@Lehigh.EDU Tue Nov 5 23:11:40 1996
From: WBarnhart@gnn.com (Wayne Barnhart)
Subject: [3700] Re: Zeners, Caps and Amplifiers (long)
Message-ID: <199611051818.NAA14565@mail-e2b.gnn.com>

When working with the NW8040 I had a terrible time trying to make the thing transmit. A 36V zener setteled the problem right down. I had an swr of not quite 2:1 on the antenna. It would suggest that the zener does play a roll in protecting the final from less than optimum swr. In NA5N's book he also suggests that the zener be used and how the value is calculated in reference to Vcc. I have kept your msg and will study it further as I may have misunderstood.

Confused in Spokane

Wayne WB7WHI
Spokane, Wa.